NUCLEAR SCIENCE ABSTRACTS

These abstracts are prepared from Atomic Energy Commission documents which are not classified for security reasons, and from articles appearing in the published literature, both domestic and foreign, pertaining to atomic energy.

The abstracts in this journal are arranged according to broad subject categories with the abstracts of the AEC documents appearing first in each category. An author, a subject, and a foreign geographic index are provided with each issue. Cumulated indices will be provided for each semi-annual volume.

Documents indicated for sale may be purchased from

Document Sales Agency
P. O. Box 62
Oak Ridge, Tennessee

All other documents either appear in published literature or are for official use only, and are not for sale by any agency of the AEC.

When AEC documents are published, they are listed in the Published Documents Index at the end of each issue. This list is cumulated semi-annually.

Nuclear Science Abstracts is now available on a subscription basis.

For the twelve issues of Vol. I (July through Dec. 1948).	3.75
For the twelve issues of Vol. II (Jan. through June 1949)	3.00
For the twelve issues of Vol. III) (July through Dec. 1949)	3.00

UNITED STATES ATOMIC ENERGY COMMISSION

Nuclear Science Abstracts

Volume 2

January - June

1949

QC
770
U56

Technical Information Branch
Oak Ridge, Tennessee

Chemistry Library

QC
770
.U56
V.2
no.12

Chem.
H.W.Willard
gift

BINDING AND INDEX INSTRUCTIONS

This issue of *Nuclear Science Abstracts* contains the cumulative author, subject, nuclide, foreign geographic, and published documents indexes for volumes 1 and 2 (the twenty-four issues of July 15, 1948, through June 30, 1949, inclusive). The pagination of these indexes is a continuation of the pagination of volume 2. A cumulative table of contents and location lists of U. S. Atomic Energy Commission declassified and unclassified documents are also provided. In binding volume 2, the tables of contents and the location lists of the individual issues (numbered with Roman numerals) and the several individual issue indexes (numbered with Roman numerals) should be discarded for they are superseded by the cumulations contained in this issue.

The author index is a straight alphabetical listing. In several cases the nationality of an author with a prefix name could not be determined. When this occurred, the author has been listed according to the prefix in agreement with the established American Library Association convention for alphabetizing American names with prefixes, e.g., De Quevado is filed in the "D" section instead of the "Q" section of the alphabet. The published documents index lists the journal or book in which articles or chapters based on Atomic Energy Commission declassified and unclassified documents have appeared. Only those documents listed and abstracted in the first two volumes of *Nuclear Science Abstracts* have been considered for this index. No explanation is necessary for the foreign geographic index and the location lists of Atomic Energy Commission declassified and unclassified documents.

The subject index for the most part uses minute, detailed entries, and is a straight alphabetical listing with one exception which is pointed out below. An element such as Carbon is listed first as a main heading subdivided by appropriate form headings. This main heading is immediately followed by the main heading Carbon Isotopes subdivided with the necessary form headings, which in turn is followed by specific carbon isotopes, such as Carbon C-10, listed according to mass number. The specific isotopes are then followed by the main heading Carbon Compounds. This artificiality in alphabetization (filing Carbon Isotopes before Carbon Compounds) was introduced into the index in order to keep an element (the normal isotopic mixture) and its several isotopes from becoming separated in the alphabet.

All organic compounds are listed both under the main heading Organic Compounds and under the specific name of the compound. For the simpler organic compounds the common or trivial names have been used (Ethyl Alcohol not Ethanol), and the names of derivatives have been inverted so that they will file behind the parent compound. Where necessary "see" references have been provided to direct the index user to the section of the alphabet where references to the compound he is interested in are located.

In this cumulative index the several inorganic compounds are listed as subheads under the appropriate main head. As an example, under the main head Aluminum Compounds will be found such subheads as Aluminum Nitrate and Aluminum Oxide. In future cumulations of Nuclear Science Abstracts subject indexes this rather indirect method of entering inorganic compounds will be abandoned and a straight forward, direct entry for the individual compound will be made as is done for organic compounds.

For the convenience of the user and in order to keep him from referring to several places in the alphabet before finding the entry he is looking for, a bibliographic device known as "double indexing" has been frequently resorted to. As an example, if references to shielding for reactors are sought, they will be found under both Reactors - Shielding For and Shielding - For Reactors. Too, where it is believed that the grouping of references under large subject headings may be of use to the index user this has been done as well as listing the references under minute, detailed entries. As an illustration, all references to Radiation Detection Instruments have been grouped

under this entry and subdivided according to generic types, as well as listed alphabetically under specific radiation detection instruments. Thus a reference pertaining to Geiger-Müller counters is listed under Radiation Detection Instruments - Pulse Type and Geiger-Müller Counters. The same bibliographic technique has been followed in the case of isotopic tracer applications where the reference is listed under Tracer Applications and under the specific isotope used as the tracer such as Carbon C-14.

Large numbers of "see" and "see also" references have been provided. A "see" reference sends the index user from a subject entry under which references are not listed to the entry under which references are listed; a "see also" reference refers the user from an entry under which references are listed to an entry where references to allied or related subjects may be found.

NUCLEAR SCIENCE ABSTRACTS

Vol. 2 No. 12

Cumulative Table of Contents

Volumes 1 and 2, July 15, 1948 - June 30, 1949

CATEGORY	VOLUME AND PAGE
Absorption and Scattering of Radiation	Volume 1: 1, 67, 118, 176, 216, 264, 327, 368, 403, 438, 496. Volume 2: 1, 85, 158, 201, 235, 261, 291, 334, 390, 419, 463.
Astrophysics	Volume 1: 368, 403, 496. Volume 2: 4, 89, 159, 262, 390, 464.
Atomic Bombs and Warfare	Volume 1: 176, 265, 368. Volume 2: 5, 89, 159, 201, 236, 291, 335, 390.
Biological Effects of Radiation	Volume 1: 4, 69, 119, 177, 217, 266, 328, 369, 404, 440, 497. Volume 2: 6, 90, 161, 236, 263, 293, 336, 390, 423, 465.
Biology, General	Volume 1: 13, 77, 123, 179, 221, 271, 330, 373, 405, 442, 499. Volume 2: 10, 93, 163, 202, 264, 295, 337, 391, 466.
Botany, General	Volume 1: 183, 406, 500. Volume 2: 94, 264.
Ceramics and Refractories	Volume 1: 127, 273, 333, 445, 501. Volume 2: 12, 94, 164, 203, 265, 338, 391.
Chemistry, Analytical	Volume 1: 21, 78, 127, 184, 223, 274, 373, 406, 446, 503. Volume 2: 13, 96, 164, 204, 238, 265, 297, 338, 392, 424, 467.
Chemistry, General	Volume 1: 24, 78, 128, 184, 224, 277, 333, 375, 407, 447, 505. Volume 2: 16, 98, 165, 204, 239, 299, 339, 392, 425, 468.
Control of Atomic Energy	Volume 1: 26, 129, 408, 448, 506. Volume 2: 19, 166.
Corrosion and Anti-Corrosion	Volume 1: 129, 186, 278, 448, 506. Volume 2: 20, 167.

Cumulative Table of Contents

CATEGORY	VOLUME AND PAGE
Cosmic Radiation and Mesons	Volume 1: 27, 79, 129, 186, 226, 278, 335, 375, 408, 413, 449, 461, 506, 516. Volume 2: 20, 100, 205, 239, 266, 300, 344, 393, 425, 469.
Crystallography and Crystal Structure	Volume 1: 131, 187, 227, 280, 335, 375, 410, 451, 508. Volume 2: 27, 106, 240, 305, 398, 430, 473.
Deuterium and Deuterium Compounds	Volume 1: 29, 80, 132, 228, 454, 510. Volume 2: 108, 170, 241, 305, 398.
Fluorine and Fluorocarbons	Volume 1: 29, 281, 336, 376, 411, 455, 511. Volume 2: 29, 108, 170, 270, 399, 431, 473.
Geology and Geophysics	Volume 1: 281, 336, 411, 456, 512. Volume 2: 110, 270, 351, 399, 431.
Graphite	Volume 1: 512. Volume 2: 111, 432.
Health Protection	Volume 1: 30, 80, 134, 189, 228, 282, 336, 377, 411, 457, 512. Volume 2: 30, 111, 171, 241, 306, 351, 400, 432, 473.
Instruments	Volume 1: 31, 81, 136, 189, 229, 283, 337, 378, 412, 458, 513. Volume 2: 31, 113, 171, 206, 270, 306, 352, 400, 432, 475.
Isotopes	Volume 1: 38, 82, 138, 191, 231, 288, 380, 515. Volume 2: 32, 114, 172, 206, 241, 271, 307, 353, 439, 476.
Isotopes Separation	Volume 1: 39, 142, 290, 341, 380, 459. Volume 2: 34, 115, 173, 207, 354, 401.
Mass Spectrography	Volume 1: 232, 291, 341, 381, 413, 460, 516. Volume 2: 35, 115, 208, 241, 307, 354.
Metals and Metallurgy	Volume 1: 41, 83, 144, 191, 233, 291, 342, 381, 414, 463, 517. Volume 2: 35, 117, 173, 208, 242, 272, 307, 354, 439, 476.
Mineral Resources and Mineralogy	Volume 1: 41, 84, 146, 233, 293, 343, 382, 415, 465, 519. Volume 2: 37, 118, 175, 210, 243, 273, 308, 356, 440.

Cumulative Table of Contents

CATEGORY	VOLUME AND PAGE
Neutrons	Volume 1: 43, 86, 146, 193, 234, 293, 348, 383, 415, 466, 519. Volume 2: 37, 119, 175, 210, 243, 273, 308, 356, 401, 441, 478.
Nuclear Properties	Volume 1: 48, 88, 150, 197, 236, 300, 346, 385, 418, 473, 525. Volume 2: 51, 130, 176, 212, 244, 273, 311, 360, 403, 444, 480.
Nuclear Reactors and Power	Volume 1: 3, 68, 119, 177, 216, 265, 327, 403, 439, 497. Volume 2: 5, 89, 160, 202, 236, 262, 292, 336, 422, 465.
Nuclear Theory	Volume 1: 50, 88, 151, 199, 237, 300, 346, 385.
Nuclear Transformation	Volume 1: 51, 89, 153, 199, 239, 303, 347, 386, 473, 528. Volume 2: 52, 131, 177, 212, 244, 275, 312, 361, 403, 446, 480.
Particle Accelerators	Volume 1: 53, 91, 157, 200, 241, 307, 349, 386, 419, 473, 530. Volume 2: 52, 133, 178, 213, 245, 276, 313, 364, 404, 447, 481.
Periodic Table	Volume 2: 405, 482.
Petroleum Industry	Volume 1: 201, 475. Volume 2: 55, 277, 447.
Physics, General	Volume 1: 54, 92, 154, 201, 243, 309, 350, 387, 419, 475, 531. Volume 2: 55, 135, 178, 214, 277, 313, 364, 405, 447, 483.
Physics, Nuclear	Volume 1: 149, 234, 343, 384, 417, 470, 535. Volume 2: 58, 137, 180, 215, 245, 277, 314, 406, 448, 484.
Physics, Nuclear - Methods of Measuring	Volume 1: 46, 87, 149, 195, 235, 298, 344, 384, 417, 470, 522. Volume 2: 40, 125, 181, 215, 246, 277, 314, 366, 408, 448, 487.
Physics, Theoretical	Volume 1: 56, 94, 157, 203, 245, 388, 422, 477, 536. Volume 2: 59, 137, 185, 219, 249, 280, 317, 371, 409, 450, 489.

Cumulative Table of Contents

CATEGORY	VOLUME AND PAGE
Radiation Chemistry	Volume 1: 59, 98, 161, 206, 249, 313, 356, 430, 485. Volume 2: 63, 250, 281, 411.
Radiation Sickness	Volume 1: 95, 158, 310, 352, 388, 425, 482, 537. Volume 2: 63, 141, 189, 220, 251, 281, 319, 373, 452, 492.
Radioactivity	Volume 1: 57, 95, 159, 204, 246, 311, 352, 389, 426, 482, 537. Volume 2: 64, 141, 190, 221, 252, 281, 320, 374, 411, 452, 493.
Radiography	Volume 1: 60, 98, 162, 206, 357, 391. 430, 539. Volume 2: 69, 192, 224, 255, 379.
Radiotherapy	Volume 1: 100, 162, 206, 249, 314, 357, 391, 431, 485, 539. Volume 2: 69, 147, 193, 224, 255, 284, 321, 380, 413, 455, 497.
Rare Earths and Rare Earth Compounds	Volume 1: 61, 104, 166, 207, 251, 315, 358, 392, 432, 486, 540. Volume 2: 70, 148, 195, 227, 256, 286, 322, 381, 414, 457, 499.
Scientific Research and Laboratories	Volume 1: 40, 62, 83, 105, 143, 166, 253, 290, 341, 359, 393, 413, 433, 487, 541. Volume 2: 71, 150, 196, 228, 256, 286, 323, 384, 458, 500.
Spectroscopy	Volume 1: 167, 254, 316, 359, 394, 433, 487, 542. Volume 2: 72, 150, 196, 228, 287, 323, 384, 415, 458, 500.
Tracer Applications (Stable and Radioactive)	Volume 1: 106, 167, 210, 255, 317, 360, 395, 435, 491, 544.
Tracer Applications - Biology	Volume 2: 75, 152, 197, 228, 256, 288, 324, 385, 415, 459, 500.
Tracer Applications - Chemistry	Volume 2: 79, 154, 326, 386, 461.
Tracer Applications - Industry	Volume 2: 79, 155, 199, 327, 386, 461.
Tracer Applications - Physics	Volume 2: 155, 231, 259, 289, 386, 461.
Transuranic Elements and Compounds	Volume 1: 63, 116, 172, 213, 261, 321, 362, 399, 437, 545. Volume 2: 79, 155, 200, 232, 289, 327, 386, 418, 462, 503.

Cumulative Table of Contents

CATEGORY	VOLUME AND PAGE
Uranium and Uranium Compounds	Volume 1: 64, 117, 172, 213, 262, 323, 364, 399, 437, 493, 546. Volume 2: 80, 155, 233, 259, 290, 332, 388, 418, 462, 503.
Vacuum Systems and Pumps	Volume 1: 157, 174, 326, 351, 367, 402, 494, 548. Volume 2: 63, 83, 140, 156, 234, 260, 319, 333, 418, 463, 504.
X-Rays	Volume 1: 66, 215, 263, 437, 495. Volume 2: 157.

Cumulative Location List
Atomic Energy Commission Declassified Documents
Listed and Abstracted in Volumes 1 and 2

Document Number	NSA Abstract Number	Page
MDDC-503	1-417	1-123
AECD-2024	1-40	1-13
AECD-2025	1-87	1-31
AECD-2026	1-1	1-1
AECD-2027	1-50	1-21
AECD-2028	1-41	1-17
AECD-2029	1-210	1-64
AECD-2030	1-13	1-4
AECD-2031	1-176	1-54
AECD-2032	1-81	1-29
AECD-2033	1-59	1-24
AECD-2034	1-2	1-1
AECD-2035	1-52	1-22
AECD-2036	1-14	1-4
AECD-2037	1-15	1-4
AECD-2038	1-174	1-53
AECD-2039	1-88	1-32
AECD-2040	1-206	1-63
AECD-2041	1-89	1-32
AECD-2042	1-42	1-18
AECD-2043	1-51	1-21
AECD-2044	1-132	1-43
AECD-2045	1-90	1-32
AECD-2046	1-211	1-64
AECD-2047	1-146	1-46
AECD-2048	1-91	1-33
AECD-2049	1-92	1-33
AECD-2050	1-93	1-34
AECD-2051	1-94	1-34
AECD-2052	1-95	1-35
AECD-2053	1-16	1-5
AECD-2054	1-177	1-54
AECD-2055	1-43	1-19
AECD-2056	1-133	1-43
AECD-2057	1-60	1-24
AECD-2058	1-134	1-43
AECD-2059	1-212	1-65
AECD-2060	1-152	1-48
AECD-2061	1-53	1-22
AECD-2062	1-44	1-19
AECD-2063	1-122	1-41
AECD-2064	1-96	1-35
AECD-2065	1-398	1-117
AECD-2066	1-335	1-98
AECD-2067	1-309	1-92
AECD-2068	1-229	1-69
AECD-2069	1-372	1-109
AECD-2070	1-357	1-104
AECD-2071	1-306	1-91
AECD-2072	1-287	1-86
AECD-2073	1-299	1-89
AECD-2074	1-300	1-89
AECD-2075	1-373	1-109
AECD-2076	1-310	1-92
AECD-2077	1-311	1-92
AECD-2078	1-332	1-98
AECD-2079	1-230	1-69
AECD-2080	1-288	1-86
AECD-2081	1-301	1-90
AECD-2082	1-269	1-81
AECD-2083	1-325	1-95
AECD-2084	1-592	1-174
AECD-2085	1-404	1-119
AECD-2086	1-586	1-172
AECD-2087	1-509	1-151
AECD-2088	1-584	1-172
AECD-2089	1-587	1-173
AECD-2090	1-446	1-131
AECD-2091	1-588	1-173
AECD-2092	1-585	1-172
AECD-2093	1-447	1-132
AECD-2094	1-522	1-154
AECD-2095	1-418	1-124
AECD-2096	1-458	1-136
AECD-2097	1-519	1-153
AECD-2098	1-510	1-151

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2099	1-419	1-124
AECD-2099-A	1-419-A	1-125
AECD-2099-B	1-419-B	1-125
AECD-2100	1-429	1-127
AECD-2101	1-589	1-173
AECD-2102	1-420	1-125
AECD-2103	1-480	1-144
AECD-2104	1-606	1-179
AECD-2105	1-650	1-193
AECD-2106	1-698	1-206
AECD-2107	1-702	1-207
AECD-2108	1-607	1-179
AECD-2109	1-608	1-179
AECD-2110	1-680	1-201
AECD-2111	1-643	1-191
AECD-2112	1-638	1-189
AECD-2113	1-703	1-207
AECD-2114	1-609	1-180
AECD-2115	1-704	1-208
AECD-2116	1-644	1-191
AECD-2117	1-673	1-200
AECD-2118	1-705	1-208
AECD-2119	1-666	1-197
AECD-2120	1-632	1-187
AECD-2121	1-688	1-204
AECD-2122	1-610	1-180
AECD-2123	1-618	1-184
AECD-2124	1-719	1-213
AECD-2125	1-689	1-204
AECD-2126	1-659	1-195
AECD-2127	1-611	1-181
AECD-2128	1-619	1-184
AECD-2129	1-612	1-182
AECD-2130	1-633	1-188
AECD-2131	1-651	1-193
AECD-2132	1-602	1-177
AECD-2133	1-613	1-182
AECD-2134	1-720	1-213
AECD-2135	1-620	1-185
AECD-2136	1-697	1-206
AECD-2137	1-670	1-199
AECD-2138	1-652	1-193
AECD-2139	1-721	1-213
AECD-2140	1-722	1-214
AECD-2141	1-723	1-214
AECD-2142	1-747	1-221
AECD-2143	1-748	1-221
AECD-2144	1-756	1-224
AECD-2145	1-768	1-229
AECD-2146	1-764	1-227
AECD-2147	1-728	1-216
AECD-2148	1-878	1-261
AECD-2149	1-817	1-242
AECD-2150	1-749	1-221
AECD-2151	1-834	1-246
AECD-2152	1-861	1-255
AECD-2153	1-791	1-234
AECD-2154	1-851	1-251
AECD-2155	1-880	1-262
AECD-2156	1-879	1-261
AECD-2157	1-757	1-225
AECD-2158	1-754	1-224
AECD-2159	1-752	1-223
AECD-2160	1-852	1-252
AECD-2161	1-753	1-223
AECD-2162	1-763	1-227
AECD-2163	1-762	1-227
AECD-2164	1-823	1-243
AECD-2165	1-824	1-243
AECD-2166	1-835	1-246
AECD-2167	1-750	1-222
AECD-2168	1-769	1-229
AECD-2169	1-1070	1-323
AECD-2170	1-909	1-273
AECD-2171	1-910	1-273
AECD-2172	1-888	1-265
AECD-2173	1-974	1-293
AECD-2174	1-975	1-293
AECD-2175	1-911	1-274
AECD-2176	1-905	1-271
AECD-2177	1-1071	1-323
AECD-2178	1-961	1-290
AECD-2179	1-1064	1-321
AECD-2180	1-913	1-274
AECD-2181	1-976	1-294
AECD-2182	1-1065	1-321
AECD-2183	1-977	1-294
AECD-2184	1-1072	1-324
AECD-2185	1-1066	1-322
AECD-2186	1-1078	1-326
AECD-2187	1-912	1-274
AECD-2188	1-946	1-283
AECD-2189	1-1006	1-303
AECD-2190	1-978	1-295

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2191	1-990	1-298
AECD-2192	1-1007	1-303
AECD-2193	1-1008	1-304
AECD-2194	1-1009	1-304
AECD-2195	1-1067	1-322
AECD-2196	1-979	1-295
AECD-2197	1-991	1-298
AECD-2198	1-892	1-266
AECD-2199	1-1028	1-311
AECD-2200	1-1017	1-307
AECD-2201	1-889	1-265
AECD-2202	1-947	1-283
AECD-2203	1-992	1-298
AECD-2204	1-906	1-272
AECD-2205	1-887	1-265
AECD-2206	1-1079	1-326
AECD-2207	1-955	1-288
AECD-2208	1-948	1-284
AECD-2209	1-956	1-289
AECD-2210	1-1041	1-315
AECD-2211	1-1010	1-304
AECD-2212	1-907	1-272
AECD-2213	1-1073	1-324
AECD-2214	1-949	1-287
AECD-2215	1-908	1-272
AECD-2216	1-1074	1-324
AECD-2217	1-941	1-282
AECD-2218	1-1042	1-315
AECD-2219	1-893	1-267
AECD-2220	1-914	1-274
AECD-2221	1-957	1-289
AECD-2222	1-1011	1-305
AECD-2223	1-922	1-277
AECD-2224	1-1068	1-323
AECD-2225	1-923	1-277
AECD-2226	1-1160	1-347
AECD-2227	1-1181	1-352
AECD-2228	1-1086	1-328
AECD-2229	1-1146	1-343
AECD-2230	1-1137	1-341
AECD-2231	1-1177	1-351
AECD-2232	1-1182	1-352
AECD-2233	1-1183	1-353
AECD-2234	1-1100	1-333
AECD-2235	1-1101	1-334
AECD-2236	1-1134	1-341
AECD-2237	1-1097	1-333
AECD-2238	1-1218	1-362
AECD-2239	1-1173	1-350
AECD-2240	1-1117	1-337
AECD-2241	1-1219	1-363
AECD-2242	1-1098	1-333
AECD-2243	1-1118	1-338
AECD-2244	1-1223	1-364
AECD-2245	1-1162	1-348
AECD-2246	1-1184	1-353
AECD-2247	1-1224	1-365
AECD-2248	1-1091	1-330
AECD-2249	1-1212	1-360
AECD-2250	1-1161	1-347
AECD-2251	1-1140	1-342
AECD-2252	1-1119	1-338
AECD-2253	1-1099	1-333
AECD-2254	1-1092	1-330
AECD-2255	1-1120	1-338
AECD-2256	1-1220	1-363
AECD-2257	1-1205	1-359
AECD-2258	1-1108	1-335
AECD-2259	1-1163	1-348
AECD-2260	1-1185	1-353
AECD-2261	1-1186	1-354
AECD-2262	1-1135	1-341
AECD-2263	1-1221	1-363
AECD-2264	1-1187	1-354
AECD-2265	1-1225	1-365
AECD-2266	1-1222	1-363
AECD-2267	1-1226	1-365
AECD-2268	1-1174	1-351
AECD-2269	1-1164	1-348
AECD-2270	1-1147	1-344
AECD-2271	1-1121	1-338
AECD-2272	1-1102	1-334
AECD-2273	1-1148	1-344
AECD-2274	1-1165	1-348
AECD-2275	1-1166	1-349
AECD-2276	1-1093	1-331
AECD-2277	1-1195	1-357
AECD-2278	1-1114	1-336
AECD-2279	1-1141	1-343
AECD-2280	1-1094	1-331
AECD-2281	1-1167	1-349
AECD-2282	1-1227	1-365
AECD-2283	1-1095	1-332
AECD-2284	1-1149	1-344

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2285	1-1208	1-359
AECD-2286	1-1150	1-345
AECD-2287	1-1169	1-349
AECD-2288	1-1228	1-366
AECD-2289	1-1229	1-366
AECD-2290	1-1188	1-355
AECD-2291	1-1142	1-343
AECD-2292	1-1168	1-349
AECD-2293	1-1213	1-361
AECD-2294	1-1284	1-381
AECD-2295	1-1310	1-387
AECD-2296	1-1292	1-383
AECD-2297	1-1270	1-378
AECD-2298	1-1271	1-378
AECD-2299	1-1250	1-373
AECD-2300	1-1316	1-389
AECD-2301	1-1360	1-399
AECD-2302	1-1361	1-399
AECD-2303	1-1237	1-369
AECD-2304	1-1307	1-386
AECD-2305	1-1260	1-375
AECD-2306	1-1277	1-380
AECD-2307	1-1362	1-399
AECD-2308	1-1305	1-385
AECD-2309	1-1363	1-400
AECD-2310	1-1272	1-378
AECD-2311	1-1364	1-400
AECD-2312	1-1365	1-400
AECD-2313	1-1366	1-400
AECD-2314	1-1367	1-400
AECD-2315	1-1264	1-376
AECD-2316	1-1238	1-369
AECD-2317	1-1265	1-377
AECD-2318	1-1266	1-377
AECD-2319	1-1267	1-377
AECD-2320	1-1256	1-375
AECD-2321	1-1333	1-392
AECD-2322	1-1311	1-387
AECD-2323	1-1368	1-401
AECD-2324	1-1348	1-395
AECD-2325	1-1369	1-401
AECD-2326	1-1239	1-369
AECD-2327	1-1312	1-387
AECD-2328	1-1240	1-370
AECD-2329	1-1248	1-373
AECD-2330	1-1257	1-375
AECD-2331	1-1251	1-373
AECD-2332	1-1252	1-374
AECD-2333	1-1515	1-437
AECD-2334	1-1420	1-413
AECD-2335	1-1378	1-403
AECD-2336	1-1431	1-415
AECD-2337	1-1406	1-411
AECD-2338	1-1395	1-407
AECD-2339	1-1407	1-411
AECD-2340	1-1631	1-466
AECD-2341	1-1632	1-466
AECD-2342	1-1719	1-487
AECD-2343	1-1633	1-466
AECD-2344	1-1634	1-467
AECD-2345	1-1543	1-445
AECD-2346	1-1698	1-482
AECD-2347	1-1699	1-483
AECD-2348	1-1528	1-440
AECD-2349	1-1743	1-493
AECD-2350	1-1720	1-488
AECD-2351	1-1721	1-488
AECD-2352	1-1635	1-467
AECD-2353	1-1646	1-470
AECD-2354	1-1600	1-458
AECD-2355	1-1601	1-458
AECD-2356	1-1533	1-442
AECD-2357	1-1647	1-470
AECD-2358	1-1534	1-442
AECD-2359	1-1636	1-467
AECD-2360	1-1744	1-493
AECD-2361	1-1733	1-491
AECD-2362	1-1597	1-457
AECD-2363	1-1637	1-467
AECD-2364	1-1648	1-470
AECD-2365	1-1549	1-446
AECD-2366	1-1745	1-494
AECD-2367	1-1649	1-471
AECD-2368	1-1638	1-468
AECD-2369	1-1856	1-519
AECD-2370	1-1789	1-505
AECD-2371	1-1857	1-520
AECD-2372	1-1765	1-499
AECD-2373	1-1892	1-528
AECD-2374	1-1858	1-520
AECD-2375	1-1959	1-545
AECD-2376	1-1960	1-545

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2377	1-1963	1-546
AECD-2378	1-1859	1-520
AECD-2379	1-1860	1-520
AECD-2380	1-1826	1-513
AECD-2381	1-1964	1-546
AECD-2382	1-1-1752	1-496
AECD-2383	1-1893	1-528
AECD-2384	1-1817	1-511
AECD-2385	1-1818	1-511
AECD-2386	1-1819	1-511
AECD-2387	1-1781	1-503
AECD-2388	1-1965	1-546
AECD-2389	1-1938	1-540
AECD-2390	2-72	2-16
AECD-2391	2-45	2-10
AECD-2392	2-321	2-72
AECD-2393	2-147	2-32
AECD-2394	2-352	2-80
AECD-2395	2-247	2-55
AECD-2396	2-179	2-40
AECD-2397	2-180	2-41
AECD-2398	2-353	2-80
AECD-2399	2-181	2-41
AECD-2400	2-73	2-16
AECD-2401	2-125	2-29
AECD-2402	2-89	2-20
AECD-2403	2-282	2-64
AECD-2404	2-166	2-37
AECD-2405	2-368	2-83
AECD-2406	2-167	2-37
AECD-2407	2-248	2-55
AECD-2408	2-168	2-38
AECD-2409	2-354	2-80
AECD-2410	2-182	2-41
AECD-2411	2-249	2-55
AECD-2412	2-74	2-17
AECD-2413	2-355	2-80
AECD-2414	2-419	2-96
AECD-2415	2-523	2-119
AECD-2416	2-524	2-119
AECD-2417	2-525	2-119
AECD-2418	2-526	2-120
AECD-2419	2-617	2-141
AECD-2420	2-618	2-142
AECD-2421	2-619	2-142
AECD-2422	2-568	2-131
AECD-2423	2-391	2-89
AECD-2424	2-486	2-111
AECD-2425	2-527	2-120
AECD-2426	2-511	2-117
AECD-2427	2-469	2-108
AECD-2428	2-406	2-93
AECD-2429	2-430	2-98
AECD-2430	2-586	2-135
AECD-2431	2-657	2-150
AECD-2432	2-395	2-90
AECD-2433	2-493	2-113
AECD-2434	2-512	2-117
AECD-2435	2-420	2-96
AECD-2436	2-755	2-172
AECD-2437	2-716	2-164
AECD-2438	2-700	2-160
AECD-2439	2-761	2-173
AECD-2440	2-1033	2-232
AECD-2441	2-954	2-215
AECD-2442	2-898	2-202
AECD-2443	2-1035	2-233
AECD-2444	2-1036	2-233
AECD-2445	2-957	2-215
AECD-2446	2-987	2-221
AECD-2447	2-958	2-215
AECD-2448	2-977	2-219
AECD-2449	2-935	2-210
AECD-2450	2-1016	2-228
AECD-2451	2-988	2-221
AECD-2452	2-1037	2-233
AECD-2453	2-1018	2-228
AECD-2454	2-1031	2-231
AECD-2455	2-1034	2-232
AECD-2456	2-952	2-214
AECD-2457	2-1038	2-233
AECD-2458	2-936	2-210
AECD-2459	2-989	2-222
AECD-2460	2-1161	2-259
AECD-2461	2-1124	2-250
AECD-2462	2-1085	2-243
AECD-2463	2-1098	2-246
AECD-2464	2-1079	2-242
AECD-2465	2-1086	2-243
AECD-2466	2-1099	2-246
AECD-2467	2-1162	2-259
AECD-2468	2-1129	2-252

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2469	2-1130	2-252
AECD-2470	2-1087	2-243
AECD-2471	2-1045	2-235
AECD-2472	2-1235	2-276
AECD-2473	2-1292	2-287
AECD-2474	2-1186	2-265
AECD-2475	2-1236	2-276
AECD-2476	2-1179	2-264
AECD-2477	2-1180	2-264
AECD-2478	2-1301	2-289
AECD-2479	2-1221	2-272
AECD-2480	2-1207	2-270
AECD-2481	2-1208	2-270
AECD-2482	2-1341	2-299
AECD-2483	2-1326	2-295
AECD-2484	2-1383	2-308
AECD-2485	2-1384	2-309
AECD-2486	2-1470	2-327
AECD-2487	2-1433	2-319
AECD-2488	2-1342	2-299
AECD-2489	2-1471	2-328
AECD-2490	2-1435	2-320
AECD-2491	2-1343	2-299
AECD-2492	2-1488	2-332
AECD-2493	2-1472	2-328
AECD-2494	2-1473	2-329
AECD-2495	2-1489	2-332
AECD-2496	2-1306	2-291
AECD-2497	2-1332	2-297
AECD-2498	2-1447	2-322
AECD-2499	2-1657	2-374
AECD-2499-A	2-1658	2-374
AECD-2499-B	2-1659	2-374
AECD-2499-C	2-1660	2-374
AECD-2499-D	2-1661	2-374
AECD-2499-E	2-1662	2-374
AECD-2499-F	2-1663	2-374
AECD-2499-G	2-1664	2-374
AECD-2499-H	2-1665	2-375
AECD-2499-I	2-1666	2-375
AECD-2500	2-1474	2-329
AECD-2501	2-1436	2-320
AECD-2502	2-1385	2-309
AECD-2503	2-1333	2-297
AECD-2504	2-1437	2-320
AECD-2505	2-1475	2-329
AECD-2506	2-1378	2-307
AECD-2507	2-1334	2-297
AECD-2508	2-1413	2-314
AECD-2509	2-1476	2-329
AECD-2510	2-1490	2-332
AECD-2511	2-1477	2-329
AECD-2512	2-1450	2-323
AECD-2513	2-1478	2-330
AECD-2514	2-1386	2-309
AECD-2515	2-1491	2-332
AECD-2516	2-1335	2-297
AECD-2517	2-1479	2-330
AECD-2518	2-1480	2-330
AECD-2519	2-1481	2-330
AECD-2520	2-1373	2-306
AECD-2521	2-1482	2-330
AECD-2522	2-1336	2-298
AECD-2523	2-1492	2-333
AECD-2524	2-1448	2-322
AECD-2525	2-1483	2-331
AECD-2526	2-1484	2-331
AECD-2527	2-1485	2-331
AECD-2528	2-1486	2-331
AECD-2529	2-1487	2-331
AECD-2530	2-1701	2-381
AECD-2530-A	2-1702	2-381
AECD-2530-B	2-1703	2-381
AECD-2530-C	2-1704	2-381
AECD-2530-D	2-1705	2-381
AECD-2530-E	2-1706	2-381
AECD-2530-F	2-1707	2-382
AECD-2530-G	2-1708	2-382
AECD-2530-H	2-1709	2-382
AECD-2530-I	2-1710	2-382
AECD-2530-J	2-1711	2-382
AECD-2531	2-1712	2-382
AECD-2531-A	2-1713	2-382
AECD-2531-B	2-1714	2-382
AECD-2531-C	2-1715	2-383
AECD-2531-D	2-1716	2-383
AECD-2532	2-1622	2-364
AECD-2533	2-1596	2-356
AECD-2534	2-1613	2-361
AECD-2535	2-1631	2-366
AECD-2536	2-1632	2-367
AECD-2537	2-1741	2-388

Declassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECD-2538	2-1597	2-357
AECD-2539	2-1614	2-361
AECD-2540	2-1717	2-383
AECD-2541	2-1742	2-388
AECD-2542	2-1633	2-367
AECD-2543	2-1736	2-386
AECD-2544	2-1737	2-387
AECD-2545	2-1738	2-387
AECD-2546	2-1623	2-365
AECD-2547	2-1667	2-375
AECD-2548	2-1668	2-375
AECD-2548-A	2-1669	2-375
AECD-2548-B	2-1670	2-375
AECD-2548-C	2-1671	2-375
AECD-2548-D	2-1672	2-376
AECD-2548-E	2-1673	2-376
AECD-2548-F	2-1674	2-376
AECD-2548-G	2-1675	2-376
AECD-2549	2-1518	2-339
AECD-2549-A	2-1519	2-339
AECD-2549-B	2-1520	2-339
AECD-2549-C	2-1521	2-340
AECD-2549-D	2-1522	2-340
AECD-2549-E	2-1523	2-340
AECD-2549-F	2-1524	2-340
AECD-2549-G	2-1525	2-340
AECD-2549-H	2-1526	2-341
AECD-2550	2-1676	2-376
AECD-2550-A	2-1677	2-376
AECD-2550-B	2-1678	2-377
AECD-2550-C	2-1679	2-377
AECD-2550-D	2-1680	2-377
AECD-2550-E	2-1681	2-377
AECD-2550-F	2-1682	2-377
AECD-2550-G	2-1683	2-377
AECD-2551	2-1684	2-378
AECD-2551-A	2-1685	2-378
AECD-2551-B	2-1686	2-378
AECD-2551-C	2-1687	2-378
AECD-2552	2-1527	2-341
AECD-2552-A	2-1528	2-341
AECD-2552-B	2-1529	2-341
AECD-2552-C	2-1530	2-341
AECD-2552-D	2-1531	2-342
AECD-2552-E	2-1532	2-342
AECD-2553	2-1582	2-354
AECD-2554	2-1533	2-342
AECD-2555	2-1739	2-387
AECD-2556	2-1534	2-342
AECD-2556-A	2-1535	2-342
AECD-2556-B	2-1536	2-342
AECD-2556-C	2-1537	2-343
AECD-2556-D	2-1538	2-343
AECD-2556-E	2-1539	2-343
AECD-2556-F	2-1540	2-343
AECD-2556-G	2-1541	2-343
AECD-2556-H	2-1542	2-343
AECD-2557	2-1837	2-411
AECD-2558	2-1864	2-418
AECD-2559	2-1868	2-419
AECD-2559-A	2-1869	2-419
AECD-2559-B	2-1870	2-419
AECD-2559-C	2-1871	2-419
AECD-2559-D	2-1872	2-419
AECD-2559-E	2-1873	2-420
AECD-2559-F	2-1874	2-420
AECD-2559-G	2-1875	2-420
AECD-2559-H	2-1876	2-420
AECD-2559-I	2-1877	2-420
AECD-2559-J	2-1878	2-421
AECD-2559-K	2-1879	2-421
AECD-2559-L	2-1880	2-421
AECD-2559-M	2-1881	2-421
AECD-2560	2-1893	2-424
AECD-2561	2-2020	2-452
AECD-2562	2-1923	2-432
AECD-2563	2-2046	2-458
AECD-2564	2-2061	2-462
AECD-2565	2-1897	2-425
AECD-2566	2-1887	2-423
AECD-2567	2-1962	2-441
AECD-2567-A	2-1963	2-441
AECD-2567-B	2-1964	2-441
AECD-2567-C	2-1965	2-441
AECD-2567-D	2-1966	2-441
AECD-2567-E	2-1967	2-441
AECD-2567-F	2-1968	2-441
AECD-2568	2-2003	2-448
AECD-2569	2-1882	2-421
AECD-2570	2-1987	2-446
AECD-2571	2-1988	2-446
AECD-2572	2-2059	2-462
AECD-2573	2-1995	2-447
AECD-2574	2-1989	2-446
AECD-2575	2-2060	2-462

NUCLEAR SCIENCE ABSTRACTS

Cumulative Location List
Atomic Energy Commission Unclassified Documents
Listed and Abstracted in Volumes 1 and 2

Document Number	NSA Abstract Number	Page
AECU-1	1-1529	1-441
AECU-2	1-1550	1-446
AECU-3	1-1551	1-447
AECU-4	1-1570	1-451
AECU-4a	1-1571	1-451
AECU-5	1-1587	1-455
AECU-6	1-1602	1-458
AECU-7	1-1760	1-497
AECU-8	1-1767	1-500
AECU-9	1-1775	1-502
AECU-10	1-1782	1-503
AECU-11	1-1790	1-505
AECU-12	1-1805	1-508
AECU-13	1-1827	1-513
AECU-14	1-1838	1-515
AECU-15	1-1867	1-522
AECU-16	1-1869	1-523
AECU-17	2-23	2-6
AECU-18	2-46	2-11
AECU-19	2-50	2-12
AECU-20	2-51	2-12
AECU-21	2-55	2-13
AECU-22	2-139	2-31
AECU-23	2-148	2-33
AECU-24	2-149	2-33
AECU-25	2-169	2-38
AECU-26	2-183	2-41
AECU-27	2-184	2-41
AECU-28	2-185	2-42
AECU-29	2-186	2-42
AECU-30	2-228	2-51
AECU-31	2-235	2-52
AECU-32	2-256	2-58
AECU-33	2-314	2-71
AECU-34	2-471	2-108
AECU-35	2-647	2-148
AECU-36	2-528	2-120
AECU-37	2-503	2-115
AECU-38	2-407	2-93
AECU-39	2-513	2-117
AECU-40	2-529	2-121
AECU-41	2-569	2-131
AECU-42	2-494	2-113
AECU-43	2-679	2-155
AECU-44	2-530	2-121
AECU-45	2-541	2-125
AECU-46	2-514	2-117
AECU-47	2-372	2-85
AECU-48	2-658	2-151
AECU-49	2-542	2-125
AECU-50	2-570	2-131
AECU-51	2-664	2-152
AECU-52	2-648	2-149
AECU-52-addendum	2-1282	2-286
AECU-53	2-531	2-121
AECU-54	2-373	2-85
AECU-55	2-412	2-94
AECU-56	2-1019	2-229
AECU-57	2-899	2-202
AECU-58	2-978	2-219
AECU-59	2-959	2-215
AECU-60	2-960	2-215
AECU-61	2-937	2-210
AECU-62	2-961	2-216
AECU-63	2-916	2-206
AECU-64	2-1020	2-229
AECU-65	2-1021	2-229
AECU-66	2-990	2-222
AECU-67	2-962	2-216
AECU-68	2-900	2-202
AECU-69	2-991	2-222
AECU-70	2-942	2-212
AECU-71	2-963	2-216
AECU-72	2-907	2-204

Unclassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECU-73	2-1053	2-236
AECU-74	2-964	2-216
AECU-75	2-919	2-206
AECU-76	2-950	2-213
AECU-77	2-1022	2-229
AECU-78	2-983	2-220
AECU-79	2-965	2-216
AECU-80	2-992	2-222
AECU-81	2-1014	2-227
AECU-82	2-938	2-210
AECU-83	2-1023	2-230
AECU-84	2-1024	2-230
AECU-85	2-908	2-204
AECU-86	2-909	2-204
AECU-87	2-910	2-204
AECU-88	2-947	2-212
AECU-89	2-948	2-213
AECU-90	2-901	2-203
AECU-91	2-893	2-201
AECU-92	2-1002	2-224
AECU-93	2-1055	2-236
AECU-94	2-1046	2-235
AECU-95	2-1150	2-256
AECU-96	2-1217	2-271
AECU-97	2-1218	2-271
AECU-98	2-1219	2-272
AECU-99	2-1220	2-272
AECU-100	2-1242	2-277
AECU-101	2-1225	2-273
AECU-102	2-1262	2-281
AECU-103	2-1165	2-261
AECU-104	2-1183	2-265
AECU-105	2-1263	2-281
AECU-106	2-1302	2-290
AECU-107	2-1264	2-281
AECU-108	2-1175	2-263
AECU-109	2-1234	2-275
AECU-110	2-1184	2-265
AECU-111	2-1244	2-277
AECU-112	2-1176	2-263
AECU-113	2-1293	2-288
AECU-114	2-1294	2-288
AECU-115	2-1265	2-281
AECU-116	2-1408	2-313
AECU-117	2-1371	2-306
AECU-118	2-1372	2-306
AECU-119	2-1411	2-314
AECU-120	2-1405	2-313
AECU-121	2-1344	2-299
AECU-122	2-1449	2-323
AECU-123	2-1438	2-320
AECU-124	2-1387	2-309
AECU-125	2-1439	2-320
AECU-126	2-1374	2-306
AECU-127	2-1388	2-309
AECU-128	2-1414	2-315
AECU-129	2-1345	2-299
AECU-130	2-1415	2-315
AECU-131	2-1319	2-293
AECU-132	2-1455	2-324
AECU-133	2-1327	2-296
AECU-134	2-1451	2-323
AECU-135	2-1409	2-314
AECU-136	2-1456	2-324
AECU-137	2-1416	2-315
AECU-138	2-1417	2-315
AECU-139	2-1401	2-312
AECU-140	2-1328	2-296
AECU-141	2-1457	2-324
AECU-142	2-1389	2-310
AECU-143	2-1402	2-312
AECU-144	2-1403	2-312
AECU-145	2-1494	2-333
AECU-146	2-1329	2-296
AECU-147	2-1330	2-296
AECU-148	2-1337	2-298
AECU-149	2-1434	2-319
AECU-150	2-1338	2-298
AECU-151	2-1624	2-365
AECU-152	2-1547	2-344
AECU-153	2-1743	2-388
AECU-154	2-1512	2-337
AECU-155	2-1497	2-334
AECU-156	2-1598	2-357
AECU-157	2-1615	2-362
AECU-158	2-1616	2-362
AECU-159	2-1634	2-367
AECU-160	2-1506	2-336
AECU-161	2-1718	2-383
AECU-162	2-1635	2-367
AECU-163	2-1617	2-363
AECU-164	2-1548	2-345
AECU-165	2-1513	2-338
AECU-166	2-1636	2-368

Unclassified Documents Cumulative Location List

Document Number	NSA Abstract Number	Page
AECU-167	2-1650	2-371
AECU-168	2-1792	2-400
AECU-169	2-1799	2-401
AECU-170	2-1835	2-411
AECU-171	2-1760	2-392
AECU-172	2-1759	2-392
AECU-173	2-1838	2-411
AECU-174	2-1808	2-403
AECU-175	2-1823	2-408
AECU-176	2-1809	2-403
AECU-177	2-1852	2-415
AECU-178	2-1761	2-392
AECU-179	2-1762	2-392
AECU-180	2-1853	2-415
AECU-181	2-1819	2-405
AECU-182	2-2048	2-459
AECU-183	2-2049	2-457
AECU-184	2-1924	2-432
AECU-185	2-1925	2-432
AECU-186	2-1918	2-431
AECU-187	2-2000	2-448
AECU-188	2-1888	2-423
AECU-189	2-1894	2-424
AECU-190	2-1976	2-444
AECU-191	2-1977	2-444
AECU-192	2-1895	2-425
AECU-193	2-2004	2-449
AECU-194	2-1926	2-433
AECU-195	2-1990	2-446
AECU-196	2-1954	2-439

CUMULATIVE AUTHOR INDEX

ABBOTT J L
1-1955
ABELSON P H
2- 714
ABERS E L
2- 807
ABRAGAM A
2- 831
ABRAHAM B M
1-1219 2-1997
ABRAHAM E P
2-2049
ABRAHAMS H J
2- 758
ABRAMOWITZ M
2-1829
ABRAMS P
1- 250 2-2144
ACKERMAN H
1-1095
ADAIR R K
2-2144
ADAMIK E R
2-1860
ADAMS D F
1-1787
ADAMS E N
2-1981
ADAMS G D
1-1665 2- 376
ADAMS M A
2- 673
ADAMS S
2- 891
ADAMS W S
2- 614
ADDOMS J N
2-2160
ADOLF H
2- 266
AEBERSOLD P C
1- 364 2- 866
AFANASEV B N
2- 654
AGATE J N
1-1538
AGEYEV N V
1-1577 2- 465
AGEYEVA D L
2- 465
AGRESS C M
2-2219
AHLGREN N
1-1236
AHLSTROM L
1- 863
AHRENS L
2-1570
AHRENS L H
1- 466 1- 841 1-1594
AIVAZOV B V
2-1216
AKHIEZER A
1-1639 1-1641
AKPINAR S
2-2176
AKULOV N S
2-1812
ALBERT A
2-1545
ALBERT R D
1-1181 1-1475 2- 282 2- 617 2-1131
2-1437 2-2021
ALBOUY G
1-1801 2-2172
ALBURGER D E
1- 770 1-1523 2- 846
ALDER F
1-1294
ALDINGTON J N
2- 805
ALDRICH L T
1-1024 1-1593 1-1607 2- 498
ALDRIDGE W N
2- 931
ALEKSEEV D M
2-1360
ALEKSEEVA K I
2-1914
ALEXANDER B H
2-2125
ALEXANDER L
1- 58 1- 431 1- 938 1-1806 2- 324
ALEXANDER P
1-1747 2-1044
ALFVEN H
2- 156 2-1564
ALICHANIAN A
1- 443 1-1562
ALIKHANIAN A
2- 98 2-1201 2-1202 2-1203
ALIKHANOV A
1-1562 2- 98 2-1202
ALLAN D L
1-1435
ALLAN H R
1- 814 2- 729
ALLARD G
1- 690 2- 193 2- 834
ALLEN C W
2- 390
ALLEN J G
1-1314 2- 703
ALLEN J S
1- 95 1- 775 1-1119 2- 637 2-1690
ALLEN K A
1-1550
ALLEN K W
2- 540
ALLEN R
1- 136 2-1179
ALLEN R P
1- 606 1- 906 1-1095
ALLEN W F
2- 357
ALLEN-WILLIAMS D J
2-1239
ALLEY J C
2- 542
ALLISON F
2-1154
ALLISON S K
1- 100 1-1221
ALLRED J C
2-1099
ALLSOPP C B
1- 603
ALMIN K E
2- 163
ALPER T
2- 29
ALPERT N L
1-1681 2-1233
ALPHER R A
1-1755 2- 497 2- 500 2- 693 2-2074
ALT H L
1- 559
ALTER D
2-1054
ALTER H W
2-1162
ALTHAUS E J
2- 114
ALTMAN K I
1-1195 1-1733 2- 303 2-1021 2-1022
ALTWICKER H
2- 164
ALVAREZ L W
2- 531 2-1265 2-1405 2-1971
ALVAREZ R
2- 471 2-1919
ALZOFON F
2-2136
AMALDI E
1- 564 2- 773
AMDUR I
2-1051
AMIS E S
1-1406 2-1919
AMLER M H
1-1742
ANDERSON C D
2- 257 2-1768 2-2001
ANDERSON E
1-1066
ANDERSON E C
2-1569
ANDERSON E G
1-1246
ANDERSON E K
2- 705 2- 706

ANDERSON H H
2-1471
ANDERSON H L
2- 244
ANDERSON V E
2-1919
ANDERSON W K
1-1790
ANDREW A
1-1503
ANDREWS H L
1- 794 1-1268 1-1439 2- 796
ANFINSEN C B
2-14602-1452
ANGER H
1- 419 A
ANGUS J
1-1476 2- 967 2- 968
ANKER H S
1- 785
ANONSEN S H
1-1070
ANSELL G
2- 343
ANTON N
1- 2944
ANTONOV-ROMANOVSKY V V
2-1108
APKER L
2- 253
APPELL F
2- 422
APPLEYARD R K
2-1239 2-2072
APPLEZWEIG N
1-1553
APPLIED RESEARCH LAB
1- 257 1-1948
APPRILL G P
1- 946
APTE A S
1-1158
ARAKI G
1-1026 1-1613 1-1614 2-1985 2-2187
ARCHER H M
1- 403
ARGERSINGER W J JR
2-1517
ARGO H V
2- 229 2-1497 2-1615 2-1616 2-2151
ARGONNE NATIONAL LABORATORY
2-1792
ARKIN A
2- 396
ARLEY N
1-134C
ARMSTRONG W
2-1241
ARMSTRONG W D
1-1054 2-1454
ARNASON T J
1- 233 1- 901
ARNDT U W
2-1421
ARNOLD G P
2-1088
ARNOLD J R
2-1569
ARNOLD R D
2- 945
ARON W A
2-1165
ARONOFF S
2-1294
ARONSZAJN N
2- 609
ARROL W J
1- 623 2-1731
ASATIANI T
2-1205
ASHBY W
1- 368
ASHKIN J
1- 140 2-1550
ASPREY L B
2-1475
ASTROM E
2- 156
ASTWOOD E B
1- 249 1- 875 1-1735 2- 337 2-1029
ATEN A H W JR
1-1192 2-1733
ATKINSON H B
2- 161
ATTERLING H
1-1172 1-1916
AUB J C
1- 380 1- 388
AUGER P
1-1105 2- 443 2-1769
AUSTERWEIL G
1-1913 2- 720
AUSTIN A E
2-1211
AUSTIN C R
2-1185
AVAKYANTS G
1-1642
AVERY R
2- 231 2-1981
AWAPARA J
1-1552
AXELROD D J
1- 550 1-1389
AXELROD J
2- 771
AYRES J A
2-1304
AZIMOV S A
2-1559

BABCOCK H W
1- 932
BACHER R F
2- 868 2-1947
BACHMAN C H
2-1164
BACLESSE F
1- 21
BADGER R M
2- 863
BAENZIGER N C
1- 633 1-1224 1-1367 1-1369 1-1515
2- 553 2-1375
BAER M
1-1244
BAEZ A V
1-1326
BAGAEV V B
1- 709
BAGGE E
1-1230
BAILY N
1- 747
BAINBRIDGE K T
2- 793
BAKER C P
1-1006 1-1160
BAKER O H
2- 581
BAKER W R
1- 673 2- 579
BAKKEN R
1- 726
BALAKRISHNAN C
1- 950 1-1133
BALDINGER E
1-1127 1-1297
BALDRIDGE H D JR
2- 143
BALDWIN E
2- 812
BALDWIN R R
2-2117
BALE W F
1- 503 2-1020 2-1295
BALFOUR W M
2- 339
BALL A F
2-1591
BALL E G
2-1125
BALLANTINE D S
2-1536
BALLARIO C
1- 445 2- 453
BALLENGER H F
1- 398
BALLENTINE R
2-1372
BALLIMI R
1- 145
BALLOU N E
2-1305 2-1702 2-1704 2-1705 2-1709
2-1710 2-1711 2-1714 2-1874 2-1881
2-2197
BALSEIRO J A
1- 189
BANDOW F
2- 611
BANERJEE B M
2- 199
BANKOWSKI R A
1-1352
BANKS C V
1-1782 1-1785 2-1897 2-2090
BARANOVSKAYA N V
1-0725
BARBARAS G
2-1384
BARBER G R
1-1284
BARBER W C
2-1351
BARBOUR I G
1- 260 1- 994
BARGMANN V
2-1122
BARILLET F
1- 767

BARIT I Y
2- 12 2-1100
BARKAS W H
1-1829 2-1915
BARKER E C
2- 167 2-2224
BARKER F C
1- 142 2- 895 2-1090
BARKER H A
1- 61 1- 394 1- 396 2- 883 2-1346
BARKHATOV A
2- 467
BARLETT H B
1- 909 1- 910
BARLOW J S
1-1324
BARNES B F
1- 751
BARNES E C
2-2115
BARNES R B
1-1345 2- 466
BARNES S W
2-1993
BARNES W R
1-1254
BARNEY A L
2- 747
BARNEY J E
2- 430
BARNOTHY J
1-1458 2- 102
BARONDES R D
2-1445
BARRETT C M
2- 341
BARRETT C S
1- 122
BARRETT R
1- 41
BARRON E S G
1- 40 1-1238 2- 49 2-2079
BARRY G T
1- 375
BARRY M C
1- 918
BARSCHALL H H
1-1168 2-1596 2-2144
BARSS W M
1- 915
BARTELS H J
1- 971
BARTLET J C
2- 357
BARTOL RESEARCH FOUNDATION
1-1644 1-1915
BARTON J C
2- 84
BARTON W S
2-1243
BASHKIND W J
2-2193
BASSERMANN C
2- 930
BASSHAM J A
1- 618
BASSI P
2- 217 2-1912
BATTELLE MEMORIAL INSTITUTE
1-1773 1-1819 1-1822 2-1958
BAUER A J
2- 698
BAUER C A
1- 304 1- 934
BAUMHOFF L
2-1257
BAURMASH L
2-2004 2-2114
BAXTER A S
2- 14
BAY Z
1-1651
BAYLY A J
1- 103
BAYRD E D
1-1198
BEACH L A
2- 995
BEACHELL H C
1-1201
BEAMER W H
2- 437
BEAMISH F E
1-1349 2- 357 2- 905
BEARD W C JR
2-2239
BEATTY S V D
1-1109 1-1404
BEAUCHAMP R K
1- 88
BEAUFAIT L J
1-1781
BECK G
1- 853 1-1461 2-1850
BECKER R
1- 321
BECKER R A
2-1404
BEECK O
1-1554
BEEMAN W W
1- 464
BEERS N R
2-1922
BEERS Y
1-1602
BEGHIAN L E
2-1800
BEIDUK F M
1-1727
BEINERT H
2- 336
BELENKII S Z
2-1359
BELINFANTE F J
1-1463
BELL H
2- 306
BELL L N
1-1568
BELL P R
1- 109 2-1414
BELL R E
2- 175 2- 629 2-1143
BELL R M
2-1152
BELL R P
2- 431
BELLMAN R
2-1802
BELOVITSKII G E
2-1424 2-1898 2-1911
BENADE A H
2-2107
BENDER A E
1- 29
BENDICH A
2-1466 2-1764
BENEDICT M
1-1146
BENES J
1-1034 2- 266 2- 297
BENFIELD A E
1-1113
BENINI M
1- 445 2- 453
BENNER S
1-1916
BENNETT A I
2- 209
BENNETT C E
2- 793
BENNETT D G
1-1526
BENNETT F C
2- 590
BENNETT L R
2- 23
BENNETT W
1-1931
BENNETT W G
1-1771
BENOIST P
1- 195 1- 694
BENSEY F N
2-2240
BENSON A A
1- 618 1-1354 2-1293
BENTON A
2-1719
BENTZEN F L
1-1167
BENZER S
2- 932
BERARDO R
2- 207
BERESTETSKIY V B
1- 163
BEREZIN E
1- 626
BERG W F
2- 966
BERGER A L
2- 54
BERGER M
1- 378 1- 576
BERGHOUT C F
1-1539
BERGMAN A G
1-1793
BERGMAN H C
2-2219
BERGMANN P G
2-1429
BERINGER R
1- 771
BERKE H
1- 749 1-1093
BERKHOVSKAYA I N
1- 343
BERKSON J
1-1062

BERNARDINI G
1-1401 2- 740 2-1347
BERNAS R H
2- 510
BERNHARD K
1- 366
BERNHARDT H A
2- 72
BERNSTEIN J
2- 478
BERNSTEIN R B
1-1280 1-1842
BERNSTEIN S
1- 140 2- 166
BERNSTEIN W
2-1372
BERRIMAN R W
2- 814
BERRY H W
1-1457
BERTEIN F
1-1830
BERTHELOT A
1- 145 2- 628
BERYLLIUM CORPORATION
1- 266
BERZON I S
1- 261
BESS L
1- 175
BETHE H A
1- 650 1-1901 2-1950
BETTS A W
1- 687 2-1502
BETTS R H
1- 209 1- 591 1-1961 2- 677
BEYDON J
1- 202 2- 848
BEYSTER J R
2- 188
BHABHA H J
1- 262 2- 96 2- 830
BHAT J V
2- 883
BHATTACHARYA D L
2-1796
BHATTACHARYA P C
1- 440 1- 811
BIBERMAN L
1- 221 2-1050
BIEHL A T
2-1356
BIGELEISEN J
1- 216 1-1370 2- 919
BILLUPS J O
2-1451
BIOCHEMICAL RESEARCH FOUNDATION
1- 34
BIONDI M A
2-1628
BIRGER N G
2-1558
BISHOP F W
2- 916
BISHOP G R
1- 136
BISTLINE J A JR
2- 560
BISWAS S
2-1273 2-2198
BLACHMAN N M
2-1237
BLACK R F
2-2123
BLACKBURN A R
2-1758
BLACKMAN M
2- 195
BLAIR J M
1-1081 2- 377 2- 378
BLAIR J S
2-1810
BLAKEMORE F
2- 711
BLAMOUTIER P
2- 861
BLANCHMAN N M
1- 597
BLASER J P
1-1506
BLATT J M
1- 654
BLAU M
1- 902 1-1872 2- 963 2-1107
BLEARS J
2- 612
BLEDSOE R W
2-1854
BLEEKSMA J
1- 841
BLEULER E
1- 162 1- 988 1-1080
BLIFFORD I H
2-1639
BLISS W H
1- 778
BLIZARD E P
1-1149 2-1101 2-1411
BLIZZARD R H
2-1763
BLOCH I
1- 987
BLOCH J
1-1866
BLOCHER J M JR
1- 968
BLOCK M A
1-1249
BLOCK M H
2- 703 2- 855 2- 983
BLOECHER F W
1- 969
BLOKHINTSEV D I
2-1308
BLOOM M A
1- 16 1-1763
BLOOM W
1- 16 1- 38 1-1763
BLOSSER T V
1-1600
BLOUNT H C JR
2-2078
BLUM P
1- 57
BLUMENTHAL G
1- 741 2- 713
BLUMGART H L
1-1040
BLUMKIN S
2-1919
BOAG J W
2-2157
BOAS W
1- 648
BOBROWSKY A R
1-1517
BOCCIARELLI D
2- 773
BOCKELMAN C K
2-2144
BODVAN-GRIFFITH C L
2- 484
BOEHM F
2-1689
BOGAARDT M
2- 211
BOGGILD J K
1- 4 1-1339 1-1916 2-1600
BOHM D
1- 522 1-1106 1-1137 2- 610
BOLDRIDGE W F
2-1532 2-1715
BOLLMAN J L
1-1062
BOLZ L H
1-1774
BOND H W
1- 369 1-1397
BONET-MAURY P
1- 899 1-1488
BONHAM H
1-1087
BONHAM K
2- 27 2-1888
BONNER G
1- 606 1-1095
BONNER J F JR
2-1264
BONNER N A
1-1962
BONNER T W
1- 791 2- 532 2-1392 2-1618
BOOTH A D
1- 634
BOOTH C
1- 41
BOPP C D
2-1415
BORELL U
1- 874 1-1510
BORN G I
1-1653
BORN H J
1- 47
BORN M
2- 829 2-1560 2-2016
BOROKOWSKI C J
2- 182
BOROWITZ S
2- 172
BORSELLINO A
1- 186 2- 296
BORSODI L
2- 710
BORST L B
1- 888 2- 393 2- 635 2- 990 2-1053
2-1879 2-2024
BORUVSKI I B
1- 816
BOSLEY W
1- 675 1-1309
BOSWORTH T J
2- 711

BOTHE A E
1-1332
BOTHE W
1- 335 2-1606
BOTHWELL F E
2-1927
BOUCHEZ R
1-1487
BOUISSIERES G
1- 758
BOULLE A
2-1042 2-2244
BOURICIUS W G
2- 4 2-1884
BOURNE G H
1-1489
BOUSQUET A G
2-1249
BOUTHILLIER L P
1- 66
BOWDEN S T
2- 366
BOWEN E J
2-1453
BOWER J C
2-2171
BOWERS J Z
2-1446 2-1452
BOWERS W A
2-1228
BOYACK G
2- 876
BOYD G A
1- 335 1- 698 1-1195 2- 303
BOYD G E
1- 299 1- 300 1- 305 1- 519 1- 834
1-1031 2-1031 2-1334
BOYD T A
1-1500
BOYER K
1-1864
BRAASCH N K
2- 38
BRACE P H
1-1548 2-1585
BRADEN C H
2- 194
BRADFORD W R
2- 8 2- 379
BRADLEY D
2- 896
BRADLEY L C
1-1731
BRADNER H
1-1876 2-1405
BRADT H L
1- 160 1- 162 1- 628 2- 446
BRADY E L
2- 1 2-1881 2-1923 2-2241
BRADY L J
1-1745
BRAESTRUP C B
2- 490 2-2037
BRAGG J K
1-1157 2-1625
BRAIN R T
2- 310
BRANDT A D
1- 453
BRANSON H
1-1491
BRAR S S
1- 40 1-1121
BRASCH A
2- 709
BRATENAHL A
2- 527
BRAWNER H P
2- 28
BRECHER G
2- 28 2-1860
BRECKPOT R
2- 683
BREED J
1 1709
BREIT G
1- 987 1-1346 2- 4 2- 323 2-1884
BREMER E
1- 965
BREMNER J W
1- 285 1-1514 2-1224
BRESLOW D S
2- 354
BRETSCHER E
1-1010 2-1987 2-2150
BREUSCH F L
1-0499
BREWER L
1- 831 1-1098 1-1099 1-1264 1-1362
2- 485
BRICK I V
1- 23
BRICKWEDDE F G
1- 213 2-2110
BRIDGE H S
1-1107 1-1804 2-1953
BRIGGS G H
2- 728
BRIGGS L J
2- 391
BRIKKER S I
1- 630 2-1366
BRILLOUIN L
1- 532
B I O SUB COMMITTEE
1-1648 1-1698
BRITTEN K H V
1- 634
BROBECK W M
1-1664 2- 236
BROCK R L
1- 148
BRODA E
2- 189 2- 292
BRODE R B
2-1774 2-2100
BROER L J F
2- 791
BROGREN G
2-1851
BROIDO A
2-1530
BROMLEY L A
1-1098 1-1099 1-1264 1-1310
BRONSON J F
1- 102
BROOKHAVEN NATIONAL LABORATORY
2- 183 2- 256
BROOKS H
1- 287
BROOKS L S
2-1623
BROOKS R E
2-1835
BROOKS S C
2- 714
BROSER I
2- 547 2- 548 2- 970 2-1250
BROSI A R
2-1667
BROSKY S A
2- 851
BROSTROM K J
1-1916 2- 293
BROTHERS G B
2- 45
BROWN A H
2- 665
BROWN B
2- 898 2-1513
BROWN B R
1-1197
BROWN D F
1- 84
BROWN F W III
1- 663 2- 208
BROWN G B
2-1466
BROWN G E
2- 323
BROWN G P
1-1177
BROWN H
1-1699 2- 16 2- 568 2-1142 2-1435
2-2025 2-2138 2-2199
BROWN H D
2-1478 2-1481
BROWN H S
1- 958 1-1292
BROWN J B
2-2216
BROWN J H
2- 130
BROWN J S
2- 541
BROWN L J
2-1129 2-1130
BROWN M S
1- 604
BROWN R
2-1068 2-1195
BROWN R M
2-1984
BROWN S C
1- 463 1- 954 1-1656 1-1667 1-1668
1-1868 2- 551 2- 615 2-1628
BROWN W G
2-1341
BROWN W M C
1- 356 2- 835
BROXON J W
2-1364
BRUCE M D
2- 47
BRUCE R A
2- 45
BRUCHE E
1- 101
BRUCK H
1-1630
BRUECKNER K
1-1856 2-1391 2-1799

BRUES A M
1- 35 1- 40 2- 31 2- 43 2-1026
2-2083
BRUNA O
2- 302
BRUNTON D C
2-1866
BRUSSET H
2-1921
BRUTCHER H
1- 283
BRYAN C E
2-1458
BRYAN F A
1-1598 2-2114
BRYAN J M
1- 437
BRYNER J S
1- 482
BUCK F A M
1-1110
BUCK J H
2-1929
BUCK W E
1-1829
BUECHNER W W
2- 291 2- 587 2- 692
BUGNARD L
1- 365
BUKA R
1-1040
BULASHEVICH YU P
1-1666
BULLARD E C
1-1677
BUNYAN D E
2- 287
BURBURY D W P
1-1104
BURCH G E
2-1025 2-1030 2-1468
BURCHAM W E
1-1432 1-1433
BURFENING J
1-1420 2-1198
BURG A
1-1890
BURGER L L
1-1265 1-1266 1-1267
BURGUS W H
2- 570 2-1521 2-1713 2-1881 2-1893
BURGY M T
2-1390
BURHOP E H S
1- 522 1-1137 2- 534
BURK R E
1-1794
BURKE J E
1- 719 1-1141
BURKHART L E
1- 702 2- 863 2- 891 2-1718
BURN G P
2-2177
BURR J G
1- 332 2-1341
BURRILL E A
1-1170 2- 687 2- 852
BURRIS R H
2- 884
BURROUGHS J E
1- 782
BURTON M
1- 196
BURTT B P
1- 562
BUSCHKE W
1- 405
BUSH D L
1-1057
BUSH F
2-1280
BUSH R R
2- 8
BUSH W E
1- 592 1-1079
BUTEMENT F D S
1-1711 2- 722 2-2209
BUTLER C C
2- 110 2- 742
BUTLER C C
1- 571
BUTLER T A
1-1224 2-1749
BUU-HOI N P
1- 576
BYATT W J
1-1319 2-1842
BYLER W H
2- 688
BYRD C H
2-1897
BYSTROM A
2- 163

CACCIAPUOTI B N
2- 773
CADE S
2-1009
CADY G H
2- 749 2-1790
CAGIANUT B
2-1787
CAHAN M
1- 10
CALAMAI G
1- 445 2- 453
CALDECOTT R S
1-1089 1-1245
CALDIROLA P
1- 732 2-1310
CALDWELL J T
1- 766
CALIFORNIA INSTITUTE OF TECHNOLOGY
1-1924
CALIFORNIA UNIVERSITY
1- 30 1-1766 2- 403
CALIFORNIA UNIVERSITY RADIATION LAB
1- 419
CALKINS V P
2-1035
CALLENDER S T E
1- 390
CALVIN M
1- 433 1-1213 1-1354 2- 340 2- 412
2- 920 2-1033 2-1182 2-1293 2-1294
CAMERINI U
1-1615 2-1068 2-1195
CAMERON A E
1-1609 1-1840
CAMERON G H
2-2037
CAMP D B
1- 759
CAMPBELL E C
1- 859 1-1632
CAMPBELL G W
2-1663 2-1874 2-1881
CAMPBELL I E
1- 968 1-1622
CAMPBELL W L
1- 733
CANNERI G
2- 65
CANNON C V
2-1968
CANTAROW A
1-1739
CANTRIL S T
1-1533
CANTWELL T
1-1587 2- 186
CAPRON P C
2-1138 2-2022
CARD L E
1- 696
CARDON B P
1- 394
CARDWELL D W
1-1378
CARHART H W
2-1763
CARLSON A B
1- 46
CARLSON A J
1- 553
CARLSON B
2-1357 2-1990
CARLSON J G
1-1088
CARMICHAEL H
1- 682 2- 460
CARMODY W R
1- 788
CARNEGIE INSTITUTE OF TECHNOLOGY
1- 645 1-1624 1-1625 1-1661 1-1863
2- 789 2- 802 2- 812
CARO D E
2-1765
CARPENTER F H
1- 866 1- 867
CARPENTER L G
2- 767 2-2131
CARR B C JR
1-1750
CARR T D
1- 260
CARRARA N
2-1432
CARRITT J B
1- 451
CARROLL C C
2- 688
CARRON M
1-1910
CARRUTHERS C
1- 581
CARTER C E
1-1767 2-1853 2-1894

CARTER D S
2-2189
CARTER W W
1-1503
CARVER J H
2-2170
CASARETT G W
1-1195 2- 303 2-1022
CASE K M
2- 537 2-2181
CASPARI E
1- 409
CASSELS J M
1- 493 1- 556 1- 557
CASSEN B
2- 958 2-2004 2-2114
CASSIDY H G
1-1553
CASTELLAN G W
2-1032
CASTLE J
1-1302
CATCHESIDE D G
1- 603
CATSCH A
2- 34
CAVALIERI L F
2-1764
CERRILLO M
2-1410
CHACE M J
2-1328
CHACKETT K F
2- 922
CHAIKIN S W
2- 480
CHAIKOFF I L
1- 385 1- 573 2- 878 2-1157 2-2050
CHAKHURIAN T N
1- 630
CHAKRABARTY S K
1- 807 2- 96
CHAMBERS E L
2- 714
CHAMBERS F W
2-1059 2-1126 2-1178
CHAMBERS R
2- 714
CHAMBERS W H
1- 773
CHAMIE C
1-1021
CHAMORRO A
1- 345
CHAMPAYGNE E F
2- 468
CHAMPION F C
1- 402 2- 691
CHANG C S
1- 969
CHANG F N
1- 923
CHANG T E
2-1832
CHANG W Y
1-1925 1-1926 2-2095
CHANG-NING C
2- 91
CHANTREL H
2- 681
CHAO C Y
1- 931 2-1355
CHAO T P
2- 682
CHAPIN E J
2-1592
CHAPMAN E M
1- 354 1-1351 1-1937 2-2217
CHAPMAN F M
2- 664
CHAPMAN N B
1-1784
CHAPMAN W H
2- 837 2-1059 2-1126 2-1178
CHARAKHCHAN T N
2-1366
CHARLOT G
1-1940
CHARRIN V
2- 772
CHASE H B
1- 237 2-1323 2-1753
CHASTEL R
1- 505
CHATHAM HOUSE STUDY GROUP
1- 68
CHATLEY H
2-1400
CHATTERJEE S D
2-2204
CHAUDHRI M
1-1879
CHAUDHRI R M
2- 787
CHAUDHURY A K
1- 9 2-1795
CHAUDHURY P K S
1- 686 2- 3
CHEN S C
2- 682
CHENG K-C
2-1831
CHESLER M D
2- 672
CHEW G F
1- 139 1-1434 2-1046
CHICAGO UNIVERSITY DEPART OF CHEM
2- 83
CHILDS D S JR
2- 855
CHING H L
1- 406
CHINN H I
1-1956
CHODAT F
1- 422
CHOLAK J
1-1951
CHOUDHURY G S
1- 881
CHRETIEN A
1-1791
CHRISNEY J
1-1220
CHRIST C L
1-1345 2- 468
CHRISTENSON F
1- 923
CHRISTIAN J E
2- 882
CHRISTIAN R S
2-1389
CHU F H
1-1130
CHU I T
1-1038
CHU K Y
1-1043 2-1140
CHU L J
2-1943 2-1999 2-2135
CHUBBUCK J B
1- 703 1-1042 1-1715
CHURCH J S
1- 480
CHUVILO I V
2-1556
CLAESSON S
1-1353
CLAFFY E W
2-1595
CLARK A F
2-1993
CLARK C E
2-1113
CLARK G L
1- 896
CLARK F K
1- 747
CLARK W G
2- 26
CLARKE E T
1- 812
CLARKE F A
2-1860
CLARKE G
2- 404
CLARKSON J R
2-1699
CLATWORTHY S W
1-1756
CLAUSEN D F
2- 876
CLAY J
2- 736 2-1200 2-1363 2-1365 2-1771
2-1904
CLAYTON H R
1-1730
CLEAVER A V
2- 394
CLEAVES H E
2-1742
CLEERE M C
2- 362
CLELAND J G
2-1793
CLELAND M
1- 691 1-1030
CLEMENS V T
1- 40 1-1121
CLEMENTEL E
2- 95 2- 101 2-1196 2-1348
CLEMMESEN J
2- 705 2- 706
CLIFFORD A F
1-1201
CLUSIUS K
1- 449
COATES R J
1-1728
COBB J
1- 336 1- 795

COCCONI G
1- 444 2- 538 2-1561 2-1711 2-1901
2-1908 2-1913
COCCONI-TONGIORGI V
SEE TONGIORGI COCCONI V
COCKROFT A L
1-1476 2- 967 2- 968
COFFIN V H
2- 793
COFFMAN D D
2- 747
COGGESHALL N D
2- 505
COHEN K
1- 475 1-1606
COHEN L
2-1697
COHEN R
2-2173
COHEN S S
1- 392
COHEN S T
1-1518
COHN E C
1-1963
COHN M
1-1217
COHN W E
1- 276 1- 424 1- 469 2- 424 2-1530
2-1540 2-2086
COLBY M Y
2-1171
COLBY N C
2-1953
COLE J W
2-1891
COLEGATE G T
2- 731
COLLIE C H
1-1012 1-1816 2- 374 2-1395
COLLIER V
2- 23
COLLINGE B
2- 358
COLLINS C B
1-1593 2-1271
COLLINS C J
1- 59 1- 760 1- 861
COLLINS G B
2- 191 2- 960 2-1993
COLTMAN J W
2- 209
COLUMBIA UNIVERSITY
1-1650
COMAR C L
1- 713 1- 868 1-1356 2- 344 2- 879
2-1153 2-1730 2-1854
COMEFORO J E
1-1771
CONDON E U
1- 601
CONGER A D
1-1762
CONNICK R E
1-1102 2-1034 2-1343
CONNOR R D
2-2175
CONWAY J G
2-2085
CONWELL E
1- 832 1- 833
COOK C S
1- 696 1-1035 1-1193 2- 194 2- 842
2-2023 2-2202 2-2205
COOK H L JR
2-1417
COOK J C
2-2210
COOK L G
1-1418
COOK L J
2- 777
COOKE-YARBOROUGH E H
2- 976 2-2168
COOL R L
1- 629
COON J H
1- 955 1- 978 2-2124
COOPER D
1-1000
COOPER F W
1- 718
COOPER H J
1-1834
COOPER J A D
1- 559
COOPER O
2-1125
COOPER R I B
1-1677
COOR T
1-1722 1-1926
COPE O
1- 552
COPP D H
1-1389 2-1156 2-1326
COPP H
1- 580
COPPENS R
2-2006
CORBEN H C
1-1472
COREY V B
1-1270 1-1271
CORI G T
1-1217
CORK J M
1- 854 2- 285 2- 994 2-2141
CORNER G W
1-1351
CORNET I
1-1846
CORNOG I C
1- 497
CORRIGAN K E
2- 37 2-2210
CORSI H
1- 561
CORSON E M
2-2183 2-2184
CORTINI G
1-1401 2- 740 2-1347 2-1352
CORWIN J F
2- 593
CORYELL C D
1- 12 2- 570 2- 990 2-1478 2-1669
2-1877 2-1881 2-1988
COSSLETT V E
1-1413
COSTELLO C J
1- 581
COSTER D
1- 143
COSTRELL L
2-2005
COTTON A
2- 636
COTTON E
2- 636
COULSON C A
1- 681
COURANT E D
1- 597 1-1901 2- 950 2-1237
COURRIER R
1- 925
COVEY E H
2-1976
COVEYOU R R
2- 179 2- 180 2- 248
COWAN C L
1- 953 2- 375
COWAN E W
2- 94
COWART W S
1- 326
COWEN D
2-1408
COWIE D B
1- 384 1- 917 1-1061
COWING R F
1- 456 1- 996 2- 808
COWLEY W L
2-2017
COX W C
2- 486
COYLE M J
1-1131
COZZI D
2- 65
CRADDOCK C G JR
1- 418 1-1530 2-1320 2-1859
CRAGGS J D
1- 675 1- 950 1-1133 1-1309 1-1698
CRAIG L C
1- 375
CRAIGHEAD C M
2-1379
CRANE H R
2-1825 2-2167
CRANK J
1- 450
CRAVER L F
2- 858
CRAWFORD J A
1- 2
CRAWFORD M F
2-2146
CREUTZ E
1-1863 2- 575
CREVECOEUR E
2-2022
CRILE G JR
2-1007
CRISTOL D S
1-1332
CRIST R H
1- 215
CRITCHFIELD C L
2-1159
CRITS G J
1- 87

CROFT A J
2- 611
CRONKITE E P
2- 836 2- 837 2- 838 2-1059 2-1126
2-1127 2-1178 2-1655 2-1656
CRONVICH J A
2-1030
CROSSLAND R S
2- 406
CROUCH M F
1- 655
CROUT P D
2-1927
CROWLEY J F
1-1092 2-1331
CROWTHER J G
1- 599 1-1797
CROXTON F C
1- 214
CROXTON F E
2- 914 2-1242 2-1760 2-1819
CRUIKSHANK A J
1- 139
CRUMRINE K C
2-1423
CSONGER E
1-1894 2-1382
CUER P
2- 966
CULLWICK E G
1-1306
CUMMING E
1- 233 1- 901
CUNNINGHAM B B
1- 1 1- 170 1-1014
CUNNINGHAM C W
2-1919
CUNNINGHAM J B
1-1850
CUPP M N
1- 893 1- 905
CURCIO R M
2- 494
CURIE I
1- 490 2- 998
CURRAH J E
2- 357
CURRAN S C
1-1476 2- 967 2- 968
CURTIS B R
2-1235
CURTIS L
2- 958 2-2004 2-2114
CURTISS L F
1- 82 1-1704 2-1673
CUTHBERTSON E M
2-1326

DAANE A H
1-1224 2-1043
DAGOSTINO O
1- 192
DAHL A I
2-1742
DAILEY W E
1- 847
DAINTON F S
1-1194
DAINTY J
1- 493
DAION M
2-1201 2-1203
DAKE H C
2- 519
DALE P P
1-1248
DALL W B
2- 349
DALLAPORTA N
2- 95 2- 101
DALLEMAGNE M J
1- 574 1- 575
DALLENBACH W
2-1238
DALY J M
2- 44
DAM J R
2-1736 2-1737 2-1738
DANFORTH W E
1- 271
DANIEL C
2-1217 2-1218 2-1219
DANIEL R R
1- 262
DANIELS F
1- 118 2- 257 2- 726
DANLEY R
2-1327 2-1329
DANS A M
2-1627
DARBY J F
2- 170
DARCH W J
2- 366
DA RIOS R
2-1627
DARROW K K
1-1381
DAS S
2- 533 2- 624
DAS GUPTA K
2- 662
DAS GUPTA N N
1- 9 2-1796
DA SILVA PINTO
1- 790
DAUBEN W G
1- 947 2- 678 2-2050
DAUDEL P
1- 576 1-1487 2- 425 2-2055
DAUDEL R
1- 576 1- 594 1-1487 2- 425 2-2055
DAUDIN J
1-1105 2- 443 2- 456 2- 734 2- 737
2-1769
DAUTZENBERG W
1-1852
DAUVILLIER A
2- 441
DAVENPORT W H JR
1- 914 2- 353
DAVEY C N
2-2168
DAVEY J C
1- 127
DAVIDSON A W
2-1517
DAVIDSON J N
1- 382
DAVIDSON M
1-1917
DAVIDSON N R
1- 661 1-1219 2- 889 2-1478
DAVIDSON R S
2-1027
DAVIDSON W F
1-1525
DAVIDSON W L
1- 195 2-1836 2-2109
DAVIES C W
2- 650
DAVIES R H
2-1580
DAVIES T H
1- 547 1-1858 2- 570 2-1234 2-1520
2-1521 2-1522 2-1878 2-1893
DAVIS E G
2- 120
DAVIS G K
1- 713
DAVIS K E
1- 223
DAVIS L JR
1-1889 2-1396
DAVIS L E
1-1911
DAVIS R E
1- 177
DAVIS R H
2-1262
DAVIS W C
2- 755
DAVISON P W
2-1609
DAVISON R A
2-1444
DAVSON H
2-2231
DAVY N
2- 242
DAVYDOV A S
2-1120
DAY F H
1- 217 1- 219 2- 225 2-1307
DAYTON B B
2- 277
DE M L
2-1796
DEAL L J
1- 219
DEAMICIS E
1- 996
DEAN L A
1- 255 2- 333 2-1725
DEAN R S
1-1620
DEARNLEY I H
1- 7
DEAS H D
2-2162
DE AZCONA LOPEZ J M
1-1288
DE BACKER J
2-2215
DE BARR A E
1-1521 2- 381
DE BEAUREGARD O C
2-1259
DE BENEDETTI S
1- 107 1- 791 1-1149 1-1484 2- 532
2-1101 2-1411

COCCONI G
1- 444 2- 538 2-1561 2-1711 2-1901
2-1908 2-1913
COCCONI-TONGIORGI V
SEE TONGIORGI COCCONI V
COCKROFT A L
1-1476 2- 967 2- 968
COFFIN V H
2- 793
COFFMAN D B
2- 747
COGGESHALL N D
2- 505
COHEN K
1- 475 1-1406
COHEN L
2-1697
COHEN R
2-2173
COHEN S S
1- 392
COHEN S T
1-1518
COHN E C
1-1963
COHN M
1-1217
COHN W E
1- 276 1- 424 1- 469 2- 424 2-1530
2-1540 2-2086
COLBY M Y
2-1171
COLBY N C
2-1953
COLE J W
2-1891
COLEGATE G T
2- 731
COLLIE C H
1-1012 1-1816 2- 374 2-1395
COLLIER V
2- 23
COLLINGE B
2- 558
COLLINS C B
1-1595 2-1271
COLLINS C J
1- 59 1- 760 1- 861
COLLINS G B
2- 191 2- 960 2-1993
COLTMAN J W
2- 209
COLUMBIA UNIVERSITY
1-1650
COMAR C L
1- 713 1- 868 1-1356 2- 344 2- 879
2-1153 2-1730 2-1854
COMEFORO J E
1-1771
CONDON E U
1- 601
CONGER A D
1-1762
CONNICK R E
1-1102 2-1034 2-1343
CONNOR R D
2-2175
CONWAY J G
2-2085
CONWELL E
1- 832 1- 833
COOK C S
1- 698 1-1035 1-1193 2- 194 2- 842
2-2023 2-2202 2-2205
COOK H L JR
2-1417
COOK J C
2-2210
COOK L G
1-1418
COOK L J
2- 777
COOKE-YARBOROUGH E H
2- 976 2-2168
COOL R L
1- 629
COON J H
1- 955 1- 978 2-2124
COOPER D
1-1000
COOPER F W
1- 718
COOPER H J
1-1834
COOPER J A D
1- 559
COOPER O
2-1125
COOPER R I B
1-1677
COOR T
1-1722 1-1926
COPE O
1- 552
COPP D H
1-1389 2-1156 2-1326
COPP H
1- 580
COPPENS R
2-2006
CORBEN H C
1-1472
COREY V B
1-1270 1-1271
CORI G T
1-1217
CORK J M
1- 854 2- 285 2- 994 2-2141
CORNER G W
1-1351
CORNET I
1-1846
CORNOG I C
1- 497
CORRIGAN K E
2- 37 2-2210
CORSI H
1- 561
CORSON E M
2-2183 2-2184
CORTINI G
1-1401 2- 740 2-1347 2-1352
CORWIN J F
2- 593
CORYELL C D
1- 12 2- 570 2- 990 2-1478 2-1669
2-1877 2-1881 2-1988
COSSLETT V E
1-1413
COSTELLO C J
1- 581
COSTER D
1- 143
COSTRELL L
2-2005
COTTON A
2- 636
COTTON E
2- 636
COULSON C A
1- 681
COURANT E D
1- 597 1-1901 2- 950 2-1237
COURRIER R
1- 925
COVEY E H
2-1976
COVEYOU R R
2- 179 2- 180 2- 248
COWAN C L
1- 953 2- 375
COWAN E W
2- 94
COWART W S
1- 326
COWEN D
2-1408
COWIE D B
1- 384 1- 917 1-1061
COWING R F
1- 456 1- 996 2- 808
COWLEY W L
2-2017
COX W C
2- 488
COYLE M J
1-1131
COZZI D
2- 65
CRADDOCK C G JR
1- 418 1-1530 2-1320 2-1889
CRAGGS J D
1- 675 1- 950 1-1133 1-1309 1-1898
CRAIG L C
1- 375
CRAIGHEAD C M
2-1379
CRANE H R
2-1825 2-2167
CRANK J
1- 450
CRAVER L F
2- 858
CRAWFORD J A
1- 2
CRAWFORD M F
2-2146
CREUTZ E
1-1863 2- 575
CREVECOEUR E
2-2022
CRILE G JR
2-1007
CRISTOL D S
1-1332
CRIST R H
1- 215
CRITCHFIELD C L
2-1169
CRITS G J
1- 87

CROFT A J
2- 611
CRONKITE E P
2- 836 2- 837 2- 838 2-1059 2-1126
2-1127 2-1178 2-1655 2-1656
CRONVICH J A
2-1030
CROSSLAND R S
2- 406
CROUCH M F
1- 655
CROUT P D
2-1927
CROWLEY J F
1-1092 2-1331
CROWTHER J G
1- 599 1-1797
CROXTON F C
1- 214
CROXTON F E
2- 914 2-1242 2-1760 2-1819
CRUIKSHANK A J
1- 139
CRUMRINE K C
2-1423
CSONGER E
1-1894 2-1382
CUER P
2- 966
CULLWICK E G
1-1306
CUMMING E
1- 233 1- 901
CUNNINGHAM B B
1- 1 1- 170 1-1014
CUNNINGHAM C W
2-1919
CUNNINGHAM J B
1-1850
CUPP M N
1- 893 1- 905
CURCIO R M
2- 494
CURIE I
1- 490 2- 998
CURRAH J E
2- 357
CURRAN S C
1-1476 2- 967 2- 968
CURTIS B R
2-1235
CURTIS L
2- 958 2-2004 2-2114
CURTISS L F
1- 82 1-1704 2-1673
CUTHBERTSON E M
2-1326

DAANE A H
1-1224 2-1043
DAGOSTINO O
1- 192
DAHL A I
2-1742
DAILEY M E
1- 847
DAINTON F S
1-1194
DAINTY J
1- 493
DAION M
2-1201 2-1203
DAKE H C
2- 519
DALE P P
1-1248
DALL W B
2- 349
DALLAPORTA N
2- 95 2- 101
DALLEMAGNE M J
1- 574 1- 575
DALLENBACH W
2-1238
DALY J M
2- 44
DAM J R
2-1736 2-1737 2-1738
DANFORTH W E
1- 271
DANIEL C
2-1217 2-1218 2-1219
DANIEL R R
1- 262
DANIELS F
1- 118 2- 257 2- 726
DANLEY R
2-1327 2-1329
DANS A M
2-1627
DARBY J F
2- 170
DARCH W J
2- 366
DA RIOS R
2-1627
DARROW K K
1-1381
DAS S
2- 533 2- 624
DAS GUPTA K
2- 662
DAS GUPTA N N
1- 9 2-1796
DA SILVA PINTO
1- 790
DAUBEN W G
1- 947 2- 878 2-2050
DAUDEL P
1- 576 1-1487 2- 425 2-2055
DAUDEL R
1- 576 1- 694 1-1487 2- 425 2-2055
DAUDIN J
1-1105 2- 443 2- 458 2- 734 2- 737
2-1769
DAUTZENBERG W
1-1852
DAUVILLIER A
2- 441
DAVENPORT W H JR
1- 914 2- 353
DAVEY C N
2-2168
DAVEY J C
1- 127
DAVIDSON A W
2-1517
DAVIDSON J N
1- 382
DAVIDSON M
1-1917
DAVIDSON N R
1- 681 1-1219 2- 889 2-1478
DAVIDSON R S
2-1027
DAVIDSON W F
1-1525
DAVIDSON W L
1- 195 2-1836 2-2109
DAVIES C W
2- 650
DAVIES R H
2-1580
DAVIES T H
1- 547 1-1858 2- 570 2-1234 2-1520
2-1521 2-1522 2-1878 2-1893
DAVIS E G
2- 120
DAVIS G K
1- 713
DAVIS K E
1- 223
DAVIS L JR
1-1889 2-1396
DAVIS L E
1-1911
DAVIS R E
1- 177
DAVIS R H
2-1262
DAVIS W C
2- 755
DAVISON P W
2-1609
DAVISON R A
2-1444
DAVSON H
2-2231
DAVY N
2- 242
DAVYDOV A S
2-1120
DAY F H
1- 217 1- 219 2- 225 2-1307
DAYTON B B
2- 277
DE M L
2-1796
DEAL L J
1- 219
DEAMICIS E
1- 996
DEAN L A
1- 255 2- 333 2-1725
DEAN R S
1-1620
DEARNLEY I H
1- 7
DEAS H D
2-2162
DE AZCONA LOPEZ J M
1-1288
DE BACKER J
2-2215
DE BARR A E
1-1521 2- 381
DE BEAUREGARD O C
2-1259
DE BENEDETTI S
1- 107 1- 791 1-1149 1-1484 2- 532
2-1101 2-1411

DEBETHUNE A J
2- 249 2-1998
DE BOER J
1- 188 2-1261
DEBRAINE P
2- 784
DE BROGLIE L
2-1652 2-1833
DEBRUYN P L
1- 969
DE BRUYN P P H
1- 897 1-1763
DECOURSEY E
1- 241
DE DECKER H C J
2- 730
DEFELICE J A
1-1672 2- 963
DE HEMPTIN S M
2- 872
DEHM J E
2-2235
DEHOFFMANN F
2- 171 2- 528
DEIGEN M F
1-1580
DEITZ V R
1-1553
DE JAGER C
1- 8
DELARIO A J
1-1496
DEL ROSARIO L
1- 815
DEMARCUS W
2- 372
DEMENT J
1- 489 1- 491 1- 492 2- 519
DEMERS P
1- 136
DEMOREST D J
2- 361
DEMPSTER A J
1- 50 1- 963 1- 982
DEMPSTER R R
1- 309
DENHAM J S
2-1637
DEN HOED D
2-2213
DENNIS E W
1- 718
DENNY J P
2-1588
DE QUEVEDO J L G
1-1502
DERGUNOV E P
1-1793
DERIBERE M
1-1289
DESPAGNAT B
2- 911
DESSAUER G
1-1114
DESTOUCHES J L
2- 744
DEUTSCH M
1-1442 2- 1 2- 7 2- 288
DEVINS J D
1- 198
DEVONS S
2- 13
DE VRIES H
1- 143
DE WAAL D W
1-1047 1-1050
DEWET J S
2- 265 2-1430
DEWITT T W
2- 674 2-1667
DEWOLFF P M
1-1572
DEXTER E W
1-1120
DE YAKIMACH A
1- 422
DIAL J B
2- 166
DIBELER V H
1-1585 1-1842 2- 504
DICKE R H
1-1125
DICKEY J
2- 253
DICKMAN S
2-2079
DIEKE G H
1-1724
DIETRICH J F
2- 471 2-1919
DI GIOVANNI H J
1- 641
DILWORTH C C
1- 798
DINICHERT P
2- 141
DINSMOOR A
1-1264
DION H G
2-2235
DIRAC P A M
1- 187 1-1471 2- 459
DIVEN B C
2-1404
DIXON F J
1-1696
DOAN C A
1- 353 1- 558
DOBROTIN N
1- 72 1-1563 2-1557
DOBSON E L
1- 43 2-2048
DOBSON R L
1-419-A
DOBYNS B M
1-1358 2-2040
DODD R E
2- 678
DODDER D C
2-1168
DODGEN H W
1-1220
DODSON R W
2- 570
DOKRAS V M
2-1380
DOLE M
2-1375
DOLLMAN E M
1-1259
DOMB C
1- 779
DOMINE-BERGES M
2-1042 2-2244
DONAGHUE W F
2- 964
DONALDSON L R
1-1087 2- 27 2-1688
DONLAN C P
1- 348
DONNELLY A J
2-1058
DOOLEY H H
2-1381
DOOLEY R
1- 903
DORAN E
2- 46
DORN J E
1-1846
DORRANCE G M
2-1058
DOSSE J
2-1992
DOUGHERTY C B
1-1323 2- 522
DOUGLAS AIRCRAFT
1-1518 1-1865
DOUGLAS T B
2-1591
DOUNCE A L
1- 46
DOWDY A H
1- 24 1-1241 2-1509
DOWNEY H
2- 398
DOWNS W L
1-1095
DOXEY G A
1- 313
DRELL S D
2- 821
DREYFUS B
1- 665
DRIGGERS J C
2-1730
DRISCOLL R L
2-1610 2-1979
DROBKOW A A
1-1770
DUBACH R
1- 390
DUBRAUSZKY V
1- 735
DUCKWORTH H E
2-1954 2-2123
DUCOFF H S
1- 40 1- 40 2-1026
DUDLEY H C
2- 68
DUDLEY R A
2-2040
DUFFIELD R B
2-1404
DUFRESNE O
2-1700
DUKE ELDER W S
2-2231
DUMOND J W M
1- 6 1-1924 2-1693 2-2165 2-2169
2-2207

DUMONT C
1-1619
DUNBAR D N F
2-2171
DUNCAN J F
2-1187
DUNCANSON W E
1- 681
DUNLAP E A JR
2- 659
DUNN C G
1- 733
DUNN H W
1-1805 2-2108
DUNN R W
1- 419 2-2082
DUNNER L
1- 267
DUNNING J R
1- 144
DUPERIER A
2- 116 2-1773
DUPONT DE NEMOURS E I
1-1256 1-1257 1-1817 1-1818 1-1819
DUPUIS T
2-2223
DURANTON B
1- 334
DUSHMAN S
2- 685 2-2247
DUSTAN C
2-1371 2-2113
DU TOIT S J
1- 272
DUTRA F R
2- 48
DUTTON D S
1-1759
DUTTON W L
2- 312
DUVAL C
1- 921 1-1335 1-1336 1-1337 1-1338
2- 358 2- 359 2-2223
DUVAL T
1- 921 1-1335 1-1336 1-1337 1-1338
2- 358
DU VIGNEAUD V
1- 569 1- 866 1- 867 1-1052 2-1465
DUWEZ P
2- 903
DYATKINA M E
1- 85
DYCK A W J
1-1145
DYSON F J
2-1275
DYSON J P
2-1111
DZHELEPOV B T
2-1827
DZHELEPOV V S
2-1841
DZIEWIATKOWSKI D D
2-1727 2-1729 2-2052
DZIUBA S P
2-1302

EAKIN R E
1-1061
EAKIN R M
2-1858
EAMES R P
1- 942
EASTMAN KODAK COMPANY
1- 338
EASTWOOD L W
2-1221 2-1379 2-1582 2-1583
EATEN S E
2- 350
EBERLEIN W F
1- 683
EBERT H
1- 399
ECHARD R
2-1317
ECKERT A C
2-2240
EDDY C E
2- 645
EDELMAN G M
1- 317
EDEN M
1-1231
EDEN R J
1-1675
EDGELL W F
1-1111 1-1590
EDWARDS A
2- 797
EDWARDS F C
2-1695 2-2117
EDWARDS H D
2-1918
EDWARDS R F
1- 673 2- 570
EDWARDS R R
1- 547 2- 570 2-1522 2-1661 2-1663
2-1666 2-1716 2-1878 2-1958
EDWARDS V M
2- 406
EFFINGER F
1- 31
EGGEN D T
1- 544
EGGERS D F JR
1-1609
EGGLER C
2-1267
EHLERS F E
2-1931
EHRENHAFT F
2- 9
EHRKE L F
1- 199
EIDINOFF M L
2- 202
EIDUS L K
1-1564
EINBINDER H
1-1452 1-1470
EISENBUD M
1-1539 2-2113
EISENSTEIN J
2-1603
EKSTEIN H
1- 147
ELBERFELD J
1-1426
ELDER F R
1- 528
ELDRIDGE K R
2- 555
ELIEZER C J
2- 606
ELKIN D C
1- 718
ELLER M H
1- 387
ELLINGER F
1- 322 1-1315 2-2019
ELLIOTT L G
2- 175 2- 528 2-1074 2-1143
ELLIOTT N
1-1078 1-1371 2-1478 2-1542 2-1869
2-1870 2-1871
ELLIS F
1- 239
ELLIS W C
2- 162
ELMAN R
2- 666
ELMER R A
1- 975 2-2137
ELMORE W C
1- 948 1-948A 1-948B 1-948C 1-948D
1-948E 1-948F 1-948G 2- 562
ELPHNER I E
1-251
ELTZHOLTZ D C
2-1059 2-1126 2-1178
ELY J O
2- 708 2-1892
EMELEUS H J
1-1357 1-1586 2- 127 2- 431
EMELEUS K G
2-2162
EMMETT P H
2- 674
EMSLIE A R G
2-1461
ENDICOTT K M
2- 28 2-1860
ENDT P M
1- 105 1- 106
ENGEL L
1-1083 2- 99
ENGEL M
1-1627
ENGELKEMEIR D W
1- 669 2-1478 2-1659 2-1662 2-1713
2-1739 2-1869 2-1872 2-1873 2-1875
2-1881 2-2242
ENLOE C F
1-1247
ENNS T
1-1276
ENTENMAN C
1- 573 2- 878 2-2050
EPSTEIN S
1- 115
ERICKSON K W
2- 948 2-1619
ERIKSON H A
2- 824
ERIKSSON S
2- 266
ERMALA P
1-1027
ERTAUD A
2-1318

ESCHENBRENNER A B
2-1061
ESPARTEIRO J M
1-1377
ESSEN L
2- 254
ESSENBERG J M
2-1324
ESTERMANN I
2-1367
ETHERLINGTON H
1- 730
EVANS D S
1- 830
EVANS E C
2-1494
EVANS H B
2-1538
EVANS J E
2-1392 2-1618 2-2139
EVANS J S
1-1592
EVANS M
2- 859
EVANS R B
1-1351
EVANS R C
1-1751
EVANS R D
1- 380 1- 388 1- 501 1- 841 1-1937
2-1756
EVANS R W
1-1179
EVANS T C
1- 348 1- 407 1-1936 2- 404 2- 664
2- 873 2-1507
EVANS U R
1- 624
EVELYN K A
1- 468
EVERETT C J
1- 823 1- 824 2-1622
EVERHART G G
2-1596 2-2152
EVERHART J L
2-1587
EVREINOVA I M
1- 630 2-1366
EWALD H
1- 467 2- 506
EWING C T
2- 161
EYGES L
2- 10 2- 456
EYRING L
2-1487

FABERG A C
1- 231
FAES M
2-2022
FAGER E W
2- 125 2- 665
FAGG L W
2- 233
FAHY E F
2- 915
FAILLA G
1- 747 1-1597
FAIRBANK H A
1-1024 2- 759 2- 793
FAIRBANK W M
2- 793
FAIRBROTHER J A V
1-1972
FALK C E
1-1863 2- 812
FALKENHEIM M
1- 715 2- 880 2-1150
FARABEE L B
2-1863
FARAGGI H
1- 169 1-1441 1-1801 2-2172
FARAGO P S
2- 559
FARLY G M
1- 673 2- 579
FARMER E C
1-1656
FARR J
2-1384
FARRANT J L
1-1416
FARRAR R L JR
2- 72 2-1790
FARRIS E J
1- 736
FASANO H L
2- 62
FASSEL V A
1- 358 1- 429 1- 851
FAUCHERRE J
2-1163
FAUL H
2- 165 2- 934
FAURE R
1-1694
FAUST E H JR
2-1515
FAUST W R
2-1167
FAUVET J
2-1128
FAZZINI T
2- 301
FEARING R B
2- 480
FEARON R E
2-1994
FEATHER N
1- 493 1- 986 1-1497 2- 292 2- 319
2- 623
FEAZEL C E
2- 212
FEENBERG E
1- 678 1-1459 2-1092
FEER D B
2-1552
FEEZEL R R
1-1600
FEICK G
1-1864
FEIGL F
2- 66
FEIL G H
2-1459
FEITELBERG S
1-1512 2- 664
FELD B T
1- 140 1-1843 2- 171 2- 529 2-1973
FELDMAN C
1- 52 1-1208 1-1719 2- 321 2- 648
2-1282
FELDMAN I
2-1327 2-1329
FELDMAN K
2-2008
FELDMAN L
2- 618 2-2003
FELDMAN M H
2-1677 2-1678
FELSON B
2- 341
FELTON J S
2- 137
FENTON A G
1-1104 1-1879 2-1105
FERMI E
1-1633 2-1394 2-2103
FERNBACH S
2-1225 2-2142
FERRETTI B
2- 11 2- 105
FERRETTI R J
1-1227 1-1533
FESHBACH H
2- 263 2- 380 2- 852 2- 978
FEUER I
2- 496
FEUER S
1- 480
FEYNMAN R P
1-1688 2- 273 2- 977
FIELD J B
2-1434
FIELDS P
2-1470
FIGARD P
1-1224
FIGGE F H J
1- 244
FILOSOFO I
2-2164
FINDLAY D
1- 246
FINHOLT A E
2- 77
FINK C G
2-1380
FINK K
1-1507
FINK R M
1-1507
FINKEL M P
1- 40 1- 40
FINKELNBURG W
1- 165
FINKELSTEIN R J
2-2015
FINKLE B
2-1540 2-1658 2-1659 2-1660 2-1664
2-1739
FINKLE R D
2-1530
FINSTON H
2-2241
FINZI N S
1- 347 2- 307
FIREMAN E L
2-1137

FIRMINHAC R H
1- 638 1- 990
FISCHER O F
2- 276
FISCHER R B
1- 264
FISHER J C
1- 967
FISHER R W
2-1304
FITCH V
2-1926
FITZGERALD P J
2- 664
FLAMM L
2- 599
FLAMMERSFELD V A
2- 302
FLEMING R W
1- 46
FLETCHER J C
2- 913
FLEXNER L B
1- 384 1- 917
FLICK J J
1- 414
FLINT H T
1- 806 2- 598 2-1427
FLOCK E V
1-1062
FLORIDA C D
2-2168
FLORIN A E
2-1489
FLOYD J J
2- 635 2- 990 2-2024
FLUGGE S
2- 258
FLUHARTY R G
1- 526 1- 711 1-1063 2- 342 2-2232
FLUKE D
1-1971
FOK V A
2- 264 2- 790
FOLDY L L
2-1048
FOLEY H M
1- 800
FONTANA M G
1-1557
FOOTE F W
1-1935
FORBUSH S E
2-1776
FORD W L
2-1503
FOREMAN N
2- 664 2-1278
FORRESTAL K N
1-1867
FORRO F JR
2-1890
FORRO M
2- 102
FORSTER H K
2- 913
FORTESCUE R L
2-1816
FOSS M H
1-1661 2- 575 2- 789 2- 802
FOSTER J J
2- 414
FOSTER L S
2-1079
FOSTER R F
1- 230 1-1087 2- 27 2-1888
FOSTER W E
1- 957
FOSTER W R
2- 902
FOURNET G
1- 727
FOWLER C M
1- 854 2- 285
FOWLER E C
1- 629
FOWLER J L
2- 948 2-1235 2-1598 2-1619
FOWLER P H
2-1068 2-1195
FOWLER R D
1-1591
FOX M
2- 393 2-1053
FOX R E
1- 787
FOX W T R
1-1398
FOXWELL G E
2- 702
FRAM H
1- 733
FRANCE O
2-1319
FRANCHETTI S
1- 695 2- 301
FRANCIS G E
1- 395
FRANCIS J E JR
1- 107 1- 791 2- 532
FRANCO R R
1- 131
FRANK F C
1-1839
FRANK I M
2- 690 2-1753
FRANK N H
2-1095 2-1407 2-1940 2-1945 2-2135
FRANK-KAMENETSKII D A
2-1172
FRANKEL S
1- 133 1- 651
FRANTZ I D JR
1- 377 1-1055
FRANTZ V K
1-1936
FRANZEN W
1- 497
FRANZINETTI C
1- 167
FRAUENFELDER H
1-1279
FRAYHA R
1-1290
FRED M
2-1301
FREDELL H
1- 40
FREDERICKSON A F
1- 940
FREED J H
1- 738
FREED S
1- 201
FREEDBERG A S
1-1040
FREEDMAN M S
2-1519 2-1739 2-1864
FREEMAN J M
2- 14
FREEMEN J W
1-1847
FREENY P J
1- 341
FREIDMAN H
1- 108
FREIER G
1-1081 2- 377 2- 378 2-1803 2-2068
FREIER P
1- 628 2- 445 2-1903
FREIMAN D G
1- 614
FRENCH A P
1- 263 1-1010 2-1882 2-1987 2-2150
FRENCH C B
1- 254
FRENCH C L
1-1070
FRENCH C S
2- 712
FRENCH J B
2-2012
FRENCH L
1-1738
FRENKEL A W
1- 748
FRENKEL J
1- 518
FRENKEL Y I
2-1312
FRENKEL Y T
1- 801
FREON A
1-1105 2- 443 2-1769
FRERICHS R
2- 809
FRETTER W B
2-1909
FREUD J
2-1056
FREYMANN M
2- 680 2- 681 2- 890
FREYMANN R
2- 680
FREYTAG F C
1- 751
FRIED S
1- 269 1-1833 2- 889
FRIEDBERG F
1-1215 2-1858
FRIEDENWALD J S
1- 405
FRIEDKIN M
2-1463
FRIEDLAND S S
1-1655
FRIEDLANDER G
1-1016 1-1703 2- 991
FRIEDLANDER H N
1-1431
FRIEDMAN H
2- 556 2-1649

FRIEDMAN L
1-1211 2- 570
FRIEDMAN O M
2-2228
FRIEND W Z
1- 646
FRIES B A
1- 433
FRILLEY M
1-1037
FRISH S E
1-1612
FRITZ N D
2- 56
FROBERG C E
2- 230
FROHLICH H
2- 733 2- 781
FROLIK C F
1- 243
FROMAN D
1-1205
FRY A J
2- 430
FRY D W
2- 585
FRYER M P
2-2216
FUCHS K
1- 651
FUGITT C H
1-1931
FULBRIGHT H W
2- 8
FULLER E W
2-1105
FULTZ S C
1-1930
FURMAN N H
1- 880 1- 916
FURTH R
2- 449 2-1254

GABBARD J L
1-1406 2- 471 2-1919
GABRIELI E
2- 874
GADEAU R
1-1285
GAFFRON H
2- 665
GALANIN A
1-1659
GALLOWAY A E
2-1793
GAMERTSFELDER C C
1- 974
GAMOW G A
1-1755 2- 15
GANGNES A V
2- 732
GANZ A
2- 75
GAPON E N
2- 64 2- 67 2- 71 2-1896
GAPON T B
2- 64 2- 67 2- 71 2-1896
GARDEN N B
2-1291
GARDNER D E
2- 753
GARDNER E
1- 148 1- 509 1- 659 1-1420 2-1198
2-1255 2-1256
GARDNER W U
1- 27
GARNER C S
1-1962 2-1159 2-1160
GARRETT A B
1- 214
GARRETT C
2- 705 2-1595
GARRETT L M
2- 815
GARRISON J B
1-1522
GARRISON W M
1- 332 1- 751
GARROD R I
2- 684
GARWICK J
2-1959
GASSER A
2-1850
GASTON E O
1- 40 1- 602 2- 613 2- 703
GASVODA B
2- 49
GATTANI M L
2- 44
GAUDIN A M
1- 716 1- 969 2- 428
GAUL L E
2- 399
GAYDON A G
1- 858

GEDEONOV L I
2-1499
GEE E A
1- 280
GEESCHWIND S
1-1155
GEGER J H
1- 353
GEHENIAU J
2- 832
GEIB I G
1- 195 2-1836
GEIGER C F
2- 413
GEILING E M K
2- 75
GEISER C R
2-2094
GEISLER A H
2- 118
GEMANT A
1- 379 1- 403 2- 675
GEMMEL J
2- 664
GEMMILL C L
2-1296
GENERAL ELECTRIC CO
1- 766
GENERAL ELECTRIC RESEARCH LAB
1-1663
GEORGE E P
1-1566
GERENDAS M
2- 710
GERLING E K
1- 725
GERMAN L L
1- 943
GERMESHAUSIN K J
2-1934
GERRITSEN A N
2- 251 2- 252
GEST H
2-1522 2-1666 2-1878 2-1893
GETLER H
2-1466
GETTING I A
1- 511
GEYER J H
1- 558
GHERI H
1- 441 1-1874
GHETTI L
1- 45
GHIORSO A
1- 1 1- 835 1-1065 1-1182 1-1315
1-1317 2- 620 2-1144 2-1386 2-1413
2-1436 2-1476 2-1489 2-2031 2-2059
2-2194
GHORMLEY J A
2-1692
GHOSHAL S N
1- 79
GIBSON J D
2-1918
GIBSON J G
1- 380 1- 388
GIBSON W M
2- 177
GIESE A C
1- 37
GIESEN K
1-1852
GIGUERE P A
2- 663
GILBERT C W
1- 813
GILBERT H L
1- 788
GILES N H
1- 229 1- 605
GILL P S
1- 69 2-1776
GILLES P W
1- 831 1-1098 1-1099
GILLETTE P R
2-1942
GILLIAM O R
2-1918
GILLMAN T
2-1860
GILMONT R
2- 144
GILMOUR M
2-1279
GILPATRICK L O
1-1251 2- 755
GINNINGS D C
2-1591
GINSBURG N
1-1815
GINZBURG V L
1-1693
GIOVANOZZI M
1- 695

GITTINGS H T
1-1148 1-1635 2- 204 2- 975 2-1497
2-1586 2-2152
GIULOTTO L
2-1388
GLADROW E M
2-1685 2-1686 2-1687
GLASCOCK R
1- 823
GLASER W
1-1605
GLASS F M
2- 184
GLASSER O
2-1007
GLASSER S M
2-2018
GLEDITSCH E
1- 726
GLENDENIN L E
1-1045 1-1233 2-1528 2-1535 2-1537
2-1539 2-1541 2-1671 2-1674 2-1675
2-1677 2-1678 2-1679 2-1680 2-1682
2-1877 2-1881 2-1988 2-2020
GLENN W E
2-1244
GLICK C F
2-1051
GLICKMAN M
1- 608
GLOCKER R
2- 894
GLUCKSMANN A
2- 311 2-1279
GLUECKAUF E
1-1304
GNEVYSHEV M N
2- 389
GOECKERMANN R H
2-1613
GOERTZEL G
1- 320
GOETHERT B H
2- 593
GOFFART G
1-1942
GOFMAN J W
1- 60 2-1488 2-1659 2-2084
GOLD L
1-1108
GOLDBECK C G
2-1490
GOLDBERG E
1- 958 1-1292 2-2138
GOLDBERG L
2- 756
GOLDBERG S
1- 133
GOLDBERGER M L
1- 139 1-1519 2- 176 2-1046
GOLDBLATT M
1- 978
GOLDBLITH S A
1-1036
GOLDEN S
2-1625
GOLDFEDER A
2-1698
GOLDHABER G
2- 845
GOLDHABER G S
SEE SCHARFF-GOLDHABER G
GOLDHABER M
1- 315 1-1033 1-1703 1-1887 1-1891
2- 631 2- 942 2- 991
GOLDIN A S
2- 679
GOLDRING L S
2-1923
GOLDSCHEIDER G
2-2211
GOLDSCHMIDT B
2-1493
GOLDSCHMIDT CLERMONT Y
1-1156
GOLDSMITH G J
2-1247
GOLDSMITH H H
2- 235
GOLDSMITH J H
2- 228
GOLDSMITH S S
1- 975 2-2137
GOLDSTEIN A
2-1739
GOLDSTEIN L
1-1011 1-1163 1-1167 2- 938 2-1388
2-1977 2-2145
GOLDSTEIN M
2-1387 2-1990
GOLDSTEIN N
1-1657 2- 530
GOLDWATER L J
2-1371
GOLIAN S E
2-1206
GOMEZ J S
2- 798
GONSER B W
1- 968 2-1589
GOOD W M
1-1632
GOODELL J P S
1- 700
GOODMAN C
1- 495 2-1173
GOODMAN D
1- 699
GOODMAN M R
2-1401
GORANSON E S
1- 374
GORGMAN A
1- 549
GORBUNOV A N
1-1565 2-1556
GORDON C L
2- 956
GORDON H
2-1405
GORDON M
2- 714 2-1656
GORDON P
2- 511
GORDON R R
2-1209
GORDON-SMITH A C
2- 254
GORDY W
1-1453 1-1890 2- 943 2-1918
GORMAN A E
2-1571 2-2116
GORSKI C H
1-1650
GORSKOV G V
1- 618
GORTER C J
1- 563 2-1397
GOSS C G
1-1867
GOSSICK B R
1-1869
GOTTARDI M T
1-1394
GOTTE H
2-2092
GOUDSMIT S A
1-1139 2- 214 2- 959
GOULD R G
2-1460 2-1462
GOVAERTS J
1- 575 1- 864 2-2053
GOVE H E
2-2119
GOWARD F K
2- 765 2- 951
GRACE M A
2- 374
GRAF T
1-1410 1-1481 1-1822 2-1209
GRAND J A
2- 161
GRANT P J
2-2221
GRANT W E
2- 366
GRAUL E H
1- 745
GRAVER L E
1- 352
GRAVES E
1-1169
GRAVES J D
2-1111
GRAY G W
1- 173
GRAY J E
1-1654
GRAY L H
1- 234 1- 894 2- 33
GRAY W M
2-2146
GRAYDON W
1-1349
GREAT BRITAIN MINISTRY OF SUPPLY
1- 111
GREELEY P W
2- 840
GREEN A E S
2- 262
GREEN H H
2- 711
GREEN L L
1- 493 1-1293
GREENBERG D M
1-1214 1-1215 2- 657 2-1325 2-2230
2-2236
GREENFIELD M M
2- 643
GREENIDGE C T
2-1583

GREENING J R
1- 83
GREENSTEIN J P
1- 26
GREENWOOD H W
2-2130
GREER M A
1-1735
GREGORY B
2-1188 2-1190
GREGORY E D
1-1393
GREGORY M
1- 125
GREINER E S
2- 162
GREISEN K
1- 444 1-1567 2- 538 2-1561 2-1908
2-1910
GRELE M
2-1821
GREULING E
2-1694
GRIER R S
1- 614
GRIESS J C JR
1-1250 2-1345
GRIFFIN P M
2-1292
GRIFFITH A M
1- 759
GRIFFITH B A
2-1274
GRIFFOUL R
2- 463
GRIGOREV V I
2- 692
GRIGOROV N L
1- 631 2-1354 2-1366
GRILLY E R
2- 247 2-1624 2-1926
GRIMALDI F
2- 771
GRIMES W R
1- 589
GRINBERG A P
1- 275
GRISARD J W
2-1919
GRISWALD P H
2- 125
GRIVET P
1-1830
GROEN P
2- 981
GROENDIJK H
1- 143
GROENEWOLD H J
2- 275 2- 833 2-2018
GROETZINGER G
1- 984 2-1813
GRONVOLD F
1- 724 1-1075
GROSHEV L V
2- 690
GROSS E P
1-1106
GROSS K A
2- 684
GROSS M J
1-1897
GROTZINGER P W
1-1332
GRUEN D M
2-2089
GRUMMITT O
1-1794
GRUMMITT W E
1- 271 2- 189
GRUNLUND J M
1-1322 2-1599
GRUNWALD A L
1-1790
GRUSCHOW J
1- 907 2-1337
GUARDIA V V
1- 179
GUCKER F T JR
2-1577
GUEBEN G
2-1097
GUERON J
2- 189 2-1339
GUEST G H
1-1418 1-1837 2- 675 2-1955 2-2057
GUGGENHEIMER K J
1- 401
GUINDON W G
1- 668
GUINIER A
1- 727 2- 463
GULBRANSEN E A
1-1556
GULDNER W G
1- 926
GULLBERG M E
1- 372 2-2048
GUMP H
2- 28
GUNN J C
1- 808
GUREVICH L M
1- 182
GUREVITCH M
2-1612
GURINSKY D H
2- 393 2-1053
GURLAND J
1- 968
GURNEY R
2- 935
GURTNER P
1- 546
GUSEV L N
1-1577
GUSTAFSSON A
1- 408
GUSTISON R A
2- 72
GUTH E
1-1445 1-1485 1-1486
GUTHRIE A
2- 368
GUTOWSKY H S
1-1888 2- 780
GUYTON J S
2-1147
GWINN H R
2- 147 2-1212
GWINN W D
1-1950
GYORGY P
2-2237

HABER A
2-1511
HABER-SCHAIM U
1-1467
HACHENBERG O
2- 588
HADLEY J
1-1634 2-1226
HAENNY C
1-1643
HAFNER E M
1- 223 2- 964 2-2071
HAGELSTON P J
1-1805 2-2108
HAGEMANN F
1-1183 1-1316
HAGEMANN F T
2-1722
HAGEN G E
1-1123
HAGGART H H
2-2036
HAHN L
1- 245
HAHN O V
1- 117 2- 363
HAHN P J
1- 700
HAHN W C
1- 820
HAIGHT G P JR
1- 880
HAINES G
1- 652 1-1165 1-1638
HAINES S F
1-1330 2- 546
HAISSINSKY H
2- 651
HAISSINSKY M
1-1021 2- 300
HAIST R E
1- 374
HALBAN H
1- 136 1-1012 2-1395 2-1800
HALBERSTAEDTER L
1- 739
HALDAR B C
1- 881
HALEY T J
1-1766 2-1928
HALG W
1- 664
HALL B E
1-1198
HALL H
2-1498
HALL L D
1- 975 2-2137
HALL M D
2-1928
HALL N F
1- 258 1- 873
HALL N S
2- 201
HALL P D
2-1816

HALL R H
2- 716
HALL R N
2- 578
HALL T A
2-1500
HALL V E
1- 17
HALL W H
2-1368
HALPERN I
1- 288
HALPERN O
2-1498
HAMAKER J W
2- 354 2-1472
HAMERMESH M
2- 172
HAMILL W H
2- 432 2- 570
HAMILTON A
1-1540
HAMILTON C F
2-1545
HAMILTON D R
1-1469
HAMILTON J
2-1115 2-1116
HAMILTON J E
1- 374
HAMILTON J G
1- 550 1-1051 1-1092 1-1389 2-1181
2-1326 2-1331
HAMILTON J H
2-1588
HAMMEL E F
2- 247 2-1996
HAMMER J M
2- 37
HAMRICK N T
2- 769
HANLEY T E
1- 110
HANNA G C
1-1023 2-1811 2-1826 2-1839 2-1866
HANNA R C
1- 168
HANNI H
1-1308
HANSBOROUGH L A
1-1491
HANSELL C W
2- 237
HANSEN G
1-1344
HANSEN R S
2- 952
HANSON A O
1- 175 2-1404
HARALDSEN H
1- 724
HARDIN W D
2- 111
HARDING G N
1-1930
HARDING J B
2-1549 2-1767
HARDWICK T J
1- 207
HARFENIST M
2-1158
HARISH-CHANDRA
1-1681 2- 819
HARMON W D
2- 147 2-1212
HARRINGTON E L
2-1012 2-1695
HARRINGTON R H
1- 485
HARRIS D H
1- 619 1-1766
HARRIS E J
2- 926 2-2177
HARRIS H C
2-1854
HARRIS J C
2-1618
HARRIS L
1- 966
HARRIS M
2-1848
HARRIS P S
2-1572
HARRIS W B
2-2113
HARRISON G H
2-1743
HARRISON W N
1-1772 1-1774
HARTING J
1- 869
HARTMAN W A
2-2112
HARTSOUGH W
1-1856 2-1391 2-1547 2-1783
HARVARD UNIVERSITY NUCLEAR LAB
1-1660
HARVEY B G
1- 208 1-1961 2- 677
HARVEY C E
1- 257
HARWOOD J J
1- 381
HARWOOD M
2-1928
HASLER M F
1-1505
HASSID W Z
1- 61
HASTED J B
1-1816 2- 203
HASTINGS A B
2-1460 2-1462
HASTINGS C
1-1518
HATFIELD T N
2-1171
HAUK V
2- 119
HAUTET A
2- 966
HAVAS P
1-1466
HAVEN F L
2- 406
HAVENS W W JR
1- 144 2- 523 2- 524 2- 525 2- 526
2-1065 2-1807
HAVILL J
2-1327
HAWKINGS R C
1-1321
HAWORTH L J
2- 257
HAXEL O
2- 632
HAYDEN B
2-1510
HAYDEN H S
2- 37
HAYDEN R J
1-1282 1-1610 2- 151 2-1148 2-1721
HAYNES F G
1-1131
HAYNES S K
1-1029
HAYS L
1-1141
HAYWARD E
1-1856 1-1860 2-1391 2-1547 2-1783
2-1970
HAZEN W E
1-1107 1-1804 2-1568
HEAL H G
2-1746 2-1748
HEAP R
1-1784
HECHENBLEIKNER I
2- 479
HEDGRAN A
1-1034 2- 286 2- 297 2-1268
HEDLUND S
2-2051
HEE A
1-1855
HEEREMA N
2-1217
HEEREN I G
2- 400
HEIDELBERGER C
1- 372 1-1216 1-1353 2- 340 2-1762
2-2046 2-2049
HEIDMAN J
1-1151
HEIMAN W J
2-2028
HEIN R E
1- 134 2-1481 2-2060
HEISENBURG DR
1-1399
HEITLER H
1- 401
HEITLER W
2- 387 2-1784
HELLER E
1- 541
HELLER M
1-1763
HELLER R B
1-1188 1-1637 2-1390 2-1840
HELLESTAM S
2-2245
HELLIER F F
1-1492
HELLMAN L
1- 384
HELMER A M C
1-1875 2-1104
HELMKAMP R W
1- 759

HELSEL R G
2-2014
HEMLER C
2- 185
HEMMENDINGER A
1-1015 2-1497 2-1615 2-1616 2-2151
2-2152 2-2201
HEMPELMANN L H
1- 28 2- 569 2-1023 2-2077
HENDERSON W J
2- 241
HENDRICKS S B
2- 333 2-1725
HENDRICKSON J R
2-1919
HENNY G C
1- 425
HENNY K
1- 816
HENRICH L R
1-1171
HENRIET L
2- 425
HENRY J A
2-1325
HERB R G
2-1094
HERBAIN M
1- 755
HERBIG G H
2-1751
HERCOCK R J
2- 974
HEREFORD F L
1-1176 2-1905
HEREWARD H G
2- 13
HERFORTH L
2- 548
HERLIN M A
1-1567 1-1568
HERMAN P
2-1222
HERMAN R C
1-1755 2- 500 2- 693 2-2074
HERMANSON C A
2- 369
HERNDON I
2- 569
HERRES S A
2- 928
HERSHKOWITZ J
1- 626
HERTZ S
1- 556
HERZ R.H
1- 662 2-1253
HERZOG R
2- 9
HESS D C JR
1- 50 1- 704 1- 706 1- 956 1- 958
1-1203 1-1333 1-1498 2- 151 2- 653
2-1087 2-1148 2-1721
HESS F O
2-1516
HESSE R
1-1812
HEVESY G
1- 578 1- 863 1-1916 2-1151
HEYDENBURG N P
1- 884 2-2071
HIBBS R F
2- 147 2- 149 2- 503 2-1212
HIBDON C T
1- 543
HICKS H G
1-1277 2- 538 2- 992 2-1014 2-1449
2-1691 2-2220 2-2222
HIEGER I
1- 349
HIESTER N K
1-1909
HIGHTOWER J V
2- 57
HILDEBRAND R H
1- 617 2- 527
HILL A G
2- 328 2-1723
HILL E L
2- 824
HILL J E
2-1608 2-1618
HILL J K
2- 118
HILL J M
1- 839 1-1928 3-2221
HILL R D
1- 539 2- 634 2-1136
HILL R F
1- 337 1-1935 2- 664
HILL R W
2- 612
HILLIARD A
1-1776
HILLIER J
2- 257 2- 753
HINCKS E P
1-1421 2-1074 2-1361
HINDMAN J C
1- 1 1- 586 2-1740
HINE G J
1- 701 2- 544 2-1246 .
HINE M G N
1-1702
HINMAN G
2- 575
HINTENBERGER H
2- 153 2- 925
HIPPLE J A
1- 787 2- 927 2-1610 2-1979
HIRSCH P B
1-1751
HIRSCHI H
2-1960
HIRT R C
2- 313
HIRZEL O
1-1483 2- 295
HISKEY C F
2-1735
HITCHCOCK C R
2-1726
HITE E C
2- 52
HO Z W
1- 225 1- 836
HOAG J B
1- 312
HOAGLAND E J
2-1739 2-1989
HOCKER K H
2- 112 2- 113
HODGE A J
1-1416
HODGE H C
1- 715 1-1094 1-1095 1-1768 2-1150
2-1295
HODGSON P E
2-1770
HOECKER F E
2-1102
HOEKSTRA H R
1- 756
HOERNES P
2- 153
HOERNI J
1-1261
HOFFMAN B G
2-1165
HOFFMAN J G
1- 28 1- 609
HOFFMAN J I
2- 364
HOFSTADTER R
1- 660 2- 962 2-1638 2-2007
HOGE H J
1- 213 1-1360
HOGG A R
1-1803
HOGNESS J R
2- 901 2-1024
HOGNESS T R
1- 525 2- 885
HOGREBE K
2- 741
HOLADAY D A
1-1275
HOLDEN A N
2- 327
HOLDEN R B
2- 515
HOLDEN W D
2-1891
HOLE N
1-1034 1-1916 1-1941 2- 206 2- 286
2- 297
HOLLAENDER A
1- 26 1-1088
HOLLANDER J M
1-1182
HOLLENBERG A V
1- 822
HOLLOMAN J H
1- 967
HOLLOWAY M G
1-1006 1-1160
HOLMBERG B
2-1805
HOLMBERG R W
1- 357
HOLMES A
2-1791
HOLMES H P
1- 788
HOLMES J E R
2-1607
HOLMES W A
1-1603
HOLROYD E W
1-1931
HOLT A S
2- 712

HOLTE G
2- 178
HOLTZMAN R H
1- 141
HONIG R E
1- 765
HONL H
1-1159
HOOD W L
1-1648 2-1631 2-1632 2-1673
HOOGSCHAGEN J
1- 563
HOOGTEIJLING P J
1- 128 1- 200 1-1596
HOOVER J I
1-1640
HOPF L
1-1175
HOPKE E R
2- 133
HOPKINS A C JR
2- 435
HOPKINS H H JR
1- 170 2-1477 2-1489 2-2149 2-2194
HOPLY R J
2- 695
HOREAU A
1- 929
HORN L
2- 930
HORN Z
2- 710
HORNBOSTEL J
1-1259
HORNING W
2-1257
HORNYAK W F
1-1323 2- 522
HOROWITZ J J
1-1424
HORTON G K
2- 2
HOSTE J
2- 60
HOTOP W
1- 971
HOUGH P V C
1- 400
HOURIET A
1- 658
HOUSER H H
1- 428
HOUTERMANS F G
1- 290 2- 632 2-1804
HOVORKA J
2- 659
HOVORKA V
1-1968
HOWARTH F
1-1103 1-1116 2-1861
HOWARTH J L
1- 883
HOWES W E
2-1004
HOWLAND J
1-1094
HOWLAND J J
2-1033
HOWTON D R
2-1262
HSU K N
2-1806
HSUEH C W
1-1343
HU N
2- 820
HU T M
2-1406 2-2140
HUANG S S
2- 859 2-1834
HUBBARD D M
1-1951
HUBER O
1-1279 1-1477 1-1478 2-1589
HUBER P
1-1127 1-1294 1-1297
HUBER W
2- 709
HUBERT M P
1-1046
HUBERT P
2-2178
HUBY R
2- 733 2-1091
HUCKEL E
2- 940
HUDDLESTON C M
2-1267
HUDGENS J E JR
2- 999
HUDSON C M
1- 884
HUDSON D E
1- 95
HUDSPETH E L
1- 271 2- 573 2-2153
HUFFMAN E H
1-1781
HUFFMAN J R
1- 228
HUGHES A L
1- 691 1- 953 1-1030 2- 219
HUGHES D J
1- 141 1-1637 1-1657 2- 530 2-1267
2-1290
HUGHES D M
1-1789 2-1344
HUGHES H A
2-1845
HUGHES W F JR
2-1696
HUGUENIN R
2-1128
HULL T E
2- 261
HULSIZER R I
1- 78 2-1780 2-1782
HULTHEN E
1-1916 1-1918
HULTHEN L
2-2186
HUMBEL F
1-1477 1-1478
HUMBLE L V
2-1821
HUMBLET J
1- 667
HUME D N
2-1525 2-1532 2-1708 2-1711 2-1715
HUME ROTHERY W
1- 282
HUMPHREYS E M
2-1321
HUNDLEY J M
1- 369
HUNT E L
2- 338
HUNT M M
2-1243
HUNTER D
1- 45
HUNTER R
1- 608
HUNTER R B
2- 835
HUNTER R F
1-1321
HUNTER S W
1-1738 2-1726
HUNZINGER W
1-1127
HURLEY C J
2- 852
HURLEY P M
1-1430
HURWITZ H JR
1- 287 2- 700 2-2180
HUSTON J L
1- 64
HUTCHESON J A
2-1505
HUTCHINS A
1- 733
HUTCHISON C A JR
1-1311 1-1371 1-1543
HUTCHISON R O
1-1827
HUTTIG G F
1-1906
HUUS T
2- 293
HYDE E K
1-1159 2-1038 2-2059 2-2194
HYDE R W
2- 350
HYLLERAAS E A
1- 913

ICKOWICZ M
1- 739
ILIFF C E
2-1696
ILLINOIS UNIVERSITY
1-1771 1-1526 2- 80 2- 81 2- 82
2- 652 2- 929 2-1544
IMBER O
2-1112
INFELD L
2- 261
INGHRAM M G
1- 50 1- 704 1- 706 1- 956 1- 958
1-1203 1-1333 2- 151 2- 653 2-1087
2-1148 2-1721
INGLIS D R
1- 520 1- 884 2- 228 2- 548 2-2071
INNSBRUCK UNIVERSITY
1- 77
INSTITUT INTERNATIONALE DE CHIMIE
2-1214
INSTITUTE OF METALS LONDON
1- 282

INTERNATIONAL ALLOYS LTD
1- 483
IOFFE E M
2-1064
IONOV N I
1-1912
IOWA STATE COLLEGE AMES LAB
1-1782
IRVINE J W JR
1- 380 1- 470 1- 812 1- 959
IRWIN R L B
1- 901
ISBELL R A C
1-1209
ISHII R
2- 423
ITTNER W B III
1- 655
IVANENKO D D
1- 529 1- 685 1- 709 1-1686 2- 67
2- 660 2-1431
IVANOV-EMIN B N
2-1081
IVEY H B
2-2218
IVEY H F
1-1907
IZMAILOV S V
1- 669

JACKSON J H
2-1221
JACKSON L C
1- 828
JACOB L
2-2120
JACOBI E
2- 426 2- 574 2-1543
JACOBS L E
1-1821
JACOBSON C A
2- 79
JACOBSON H G M
1-1391
JACOBSON L
1-1184 2- 747 2-1134
JACOBSON L O
1- 14 1- 15 1- 38 1- 40 1- 404
1- 602 1- 613 1-1091 1-1237 1-1314
1-1765 2- 401 2- 613 2- 703 2- 855
2- 983 2-1026 2-1176
JACOX H W
2- 860 2-1011
JACQUES J
1- 925
JACQUES R
1- 694
JAFES R I
1- 968
JAFFE A A
1- 950
JAFFEE R I
1-1622
JAFFEY A H
2-1413 2-1473 2-1478 2-2241
JAMES H M
1-1570 1-1571
JAMES J C
2- 650
JAMES R A
1-1065 1-1066 1-1068 1-1513 2-1477
2-1480 2-1489
JAMIESON J H
1-1406
JANNEY C D
1-1878
JANOSSY L
1- 70 2- 93 2- 738 2-1780
JARVIS G A
2-1497 2-1515 2-1616 2-2151 2-2152
JAUCH J M
1-1687 2- 269 2-2188
JEALOUS A C
2-1016 2-1450
JEAN M
1- 154 1- 594
JEFFREYS H
2- 481
JELLEY J V
1-1433 2- 582
JEN C K
2- 331
JENKINS F A
1- 831 1- 998
JENKINS J F JR
2- 732
JENKS G H
2-1692
JENNINGS B
2- 783
JENNINGS W A
1-1200
JENNY L
1- 664

JENSEN E N
1-1150 2- 181 2-1245
JENSEN P
1- 498 2- 949
JEPPSON M R
2-2154
JESSE W P
2-2161
JESSUP R S
2-2110
JEUNG N
2- 714
JOHNS H E
2- 305 2-1595
JOHNS I B
1-1224 2-1043 2-1304
JOHNSEN S E J
1- 784
JOHNSON A E
1-1587
JOHNSON A L
1- 427
JOHNSON C Y
2-1206
JOHNSON E L
1-1385
JOHNSON G L
2-1161
JOHNSON J E
1- 873 2-1763
JOHNSON J R
1- 672 2-1300
JOHNSON L R
2-1112
JOHNSON M
2- 664
JOHNSON M H
2-1167
JOHNSON O
2-1043 2-1304 2-1669 2-1670 2-1672
JOHNSON R P
1- 360
JOHNSON V
1- 553
JOHNSON W E
1- 177
JOHNSTON F
2- 804 2-1272
JOHNSTON H L
1-1415 2- 515
JOHNSTON R F
2-1601
JOLIET-CURIE F
2-1314
JOLIET-CURIE I
1-1032
JOLLES B
2-1006
JONES A
2- 279
JONES D F
2-1060
JONES E
2- 975
JONES E A
2-1207 2-1208 2-2046
JONES H B
1- 30 1- 252 1-1216 2- 397 2-2084
JONES J W
1-1649
JONES R A
2- 715
JONES S B
2- 106
JONES W B JR
1- 989
JONES W J
2- 366
JONES W M
1-1914 2- 469
JORDAN M L
2- 26
JORDAN W H
1-1640 2-1414
JOWSEY J R
1- 876
JOYET G
1- 98 1-1274 2-2214
JUAREZ A R
2- 828
JUDA W
1-1910
JUNGERMAN J
1- 671
JURKIEWICZ L
1- 439
JURNEY E T
1-1927
JUSTUS K M
1- 151 2- 627

KAESBERG P
1- 464
KAGAN Y M
1-1612

KAHN D
2-1813
KAISER T R
1-1900
KALITINSKY A
1- 729 1-1084 2- 897
KALLMANN H
1-1464 1-1465 2- 547 2- 548 2- 970
2-1250 2-1422 2-1651
KAMEN M D
1- 568 1- 581
KANE E O
2-1772
KANT A
2-1304 2-1481
KAPLAN A
1-1352
KAPLAN C
1-1902
KAPLAN H S
1- 27 1-1243
KAPLAN I
2- 393 2-1053
KAPLAN I I
1-1384 1-1710
KAPUSTINSKI A F
1- 622
KAR K C
1-1524
KARBE K
2- 78
KARLE I
2- 556
KARLIK B
2-2206
KARLSSON J L
2-1346
KARPLUS R
2-1724
KARRAKER D G
1-1892 2-1077 2-1402
KASHA M
2-2065
KATCOFF S
1- 201 1- 692 1- 975 1-1359 2-1129
2-1130 2-1660 2-1739 2-1963 2-1965
2-1966 2-1967 2-2137
KATS M L
1-1578
KATSURAI T
1- 448
KATZ J J
2-2089
KATZIN L I
1- 840 1-1073 1-1316 2- 987 2-1741
KAUNITZ P E
1-1512
KAWECKI H C
1- 124
KAYS W M
2- 953 2-1626
KAZARNOVSKII I A
1-1573
KEATING F R JR
1- 845 2- 646 2- 859
KEENE J P
2-2069
KEIGHLEY G
1- 583
KEIGHTON W B
1-1191 1-1706 2-1139
KEIM C P
1- 644 2- 148 2- 152
KELLAR J N
1-1751
KELLENBERGER E
2- 141
KELLER E B
1-1052 2-1465
KELLER H B
2-2141
KELLER J
2-1650
KELLER K K
1-1202
KELLER R
1-1129
KELLEY E
1-1634
KELLOGG K B
2- 749
KELLY E L
2- 373 2- 947 2-1226 2-1885 2-1991
KELLY F J
2- 666
KELLY F M
2-2146
KELLY L S
2-2084
KELLY T
1- 40
KELNER A
2- 707
KELSEY F E
2- , 75
KELSEY M P
2- 646
KEMMERICH M
2- 632
KEMP J W
1-1505
KEMP L A W
2-1008
KENNEDY E P
1- 389
KENNEDY J W
1- 879
KENNEDY R J
2- 6 2- 379
KENNEL W E
2-2160
KENNY A W
2- 234
KERMACK W O
1-1786
KERN B D
1- 327 1- 693 1-1318
KERN W P
2-1645
KERNER J A
2-2039
KERNS Q A
1- 673 1-1171 2- 579
KERR H D
1-1708
KERR N F
2- 505
KERST D W
1-1018 1-1169
KERWIN L
2-1078
KESTER W O
1-1269 2-1309
KESTON A S
1- 434
KEYNES R D
2- 668
KHAN A W
2- 787
KHARITONOV V
2-1201 2-1203
KHENOKH M A
1- 333
KHLOPIN V G
1- 725
KHOO F Y
1-1741
KHRIMIAN A V
2- 98 2-1202
KHVOLES V A
1- 72 1-1569
KHYM J X
1- 619 2-1529
KIEFFER R
1- 971
KIENBERGER C A
2-2243
KILNER S B
1- 212
KILPATRICK J E
1-1462
KILPATRICK M F
1-1462
KIMBALL G E
1- 826 1- 827
KIMBALL R F
1-1529 1-1760
KIND A
1- 658 1-1884
KINELL P O
2- 871
KING D T
1-1156
KING E L
2-1462 2-1995
KING E R
1- 455
KING G S
2-2076
KING H H
1-1952
KING J R
2-1944
KING L D P
1-1006 1-1160 1-1167 2-1388 2-2145
KING O C
2- 699
KING R B
1-1210
KINGDON K H
2-1174 2-2148
KINSEY B B
1- 168 2-1132 2-1133
KINSEY E L
2-1719
KIP A F
2- 945
KIRBY-SMITH J S
2-2046
KIRK M R
1-1353

KIRKPATRICK A F
2- 120
KIRKPATRICK P
1-1326
KIRKWOOD D H W
1-1023 2-1811 2-1826
KIRSCH M
2-1599
KIRSCHON A
1-1314
KIRSLIS S S
2- 72
KIRSNER J B
2-1321
KISIELESKI W
1- 40 2-1530
KISSINGER C W
1-1000
KISTEMAKER J
2-1581
KITAIGORODSKI I I
1- 649
KITTEL C
2- 592 2- 982 2-1916
KJELLGREN R F
1- 486
KLECHKOVSKI V M
1- 709
KLEIN O
1- 296 1-1916 2- 17
KLEMA E D
1- 757
KLEMM V A
2- 153 2- 924 2- 925
KLEMPERER W G
1- 77
KLEVENS H B
1-1821
KLIGMAN F I
1-1658
KLINE L
2-1158
KLINKENBERG P F A
1- 859
KLOEPPER R M
2-1102
KLOOS G
1- 641
KLOTZ I M
1- 393 2-2234
KLUG H P
1- 58 1- 431 1- 938 1-1806
KNABLE N
1- 817
KNIGHT G B
1-1185 2- 294 2- 679 2- 892
KNIGHT J D
2-1880 2-1968
KNIPP J K
2- 586
KNOCH S G
1-1949
KNOERR A W
1- 789
KNOP H W JR
1-1347
KNOPF H
1- 449
KNOWLES A J
1-1133
KNOWLTON N P JR
1- 28 2-2077
KNOX W J
1-1186 1-1531 1-1932 2-1393
KNUCHEL H
1- 546
KNYAZEV A
2-1199
KOCH C W
2-1472
KOCH J
1-1138 2- 293
KOETS P
2-1444
KOFOED-HANSEN O
1-1424 2- 626
KOFSKY I L
1-1022
KOHMAN T P
1- 152 2-1478
KOHN H I
1- 693 1- 905
KOHN M
2-1747
KOHN W
2- 388
KOLODZIEJSKI R
2- 733
KONDRATYEV V N
1- 289 2- 535
KONOPINSKI N J
1-1727
KONSTATINOV A
2-1203
KOPFERMANN H
1- 477 1- 506
KOPPE H
2- 914
KOPPENHAVER F B
2-1793
KOPPIUS O G
2- 59
KORABLEV L N
2-1550
KORFF S A
1- 149 1- 312 1-1124
KOSEL G
1- 606
KOSKI W S
1-1135 2- 760
KOSS ROSENQVIST A
2-1982 2-1986 2-2159
KOWARSKI L
2- 189
KOZIOL J
1- 750
KOZLOFF L M
1-1508
KRAMER A W
1- 565 2- 21
KRAUS K A
1- 357 2- 352 2-1161 2-1736 2-1737
2-1738
KRAUSE E H
2-1206
KREBS K
1- 291
KREMEN A J
2-1726
KRENZ F H
1- 197 2- 278
KRESGE M
2- 23
KRISBERG N L
1- 543
KRISHNAMOORTHY C
1-1911
KRISHNAN R S
1- 292 2-1454
KRITCHEVSKY E S
1- 586
KRITSKAYA V K
2- 117
KROGER F A
2-1303
KROLL N
1- 822
KROLL N M
2-1260
KROLL W H
1- 788
KROLL W J
1-1626 1-1628
KROOK M
2- 11 2-1047
KROTKOV G
1- 61 1- 396
KRUEGER H H A
2-1969
KRUSEN F H
1- 554
KRYNITSKY J A
2-1763
KUBASCHEWSKI O
2-2127 2-2129
KUCHAI S A
2-1194 2-1197
KUCZYNSKI G C
2-2125
KUDER M L
2-1206
KUHN H
1-1501 1-1731
KULIKOV A M
2-1349
KUMINS C A
1-1788
KUMMER E
1- 58 1- 431 1- 938
KUMMER J T
1- 459 2- 674
KUMPE C W
1- 714
KUNA M
2-1186
KUNDU D N
2- 639 2- 640
KUNIN R
2- 717 2- 906
KURA J G
2-1221
KURANZ J
2-1384
KURBATIV D J
1- 538
KURBATOV J D
1- 562
KURIE F N D
1- 328 1- 797 1-1232 1-1325 2- 192
KUSCH P
1- 800 2-1611

KUSSNER H G
2- 270
KUZELL W C
2-1444
KYHL R L
2-2047
KYLES J
2- 550

LABAW L W
1- 461
LABELLE C W
1- 41 2- 409
LABEYRIE J
1- 359
LACASSAGNE A
1- 738
LACHAPELLE T J
1-1064 2- 888 2-1306 2-1740
LAFFERTY R H JR
1- 53 2- 55 2- 84 2- 419
LAFFINEUR M
2- 661
LAGEMANN R T
1-1592
LAGERQVIST A
1-1947
LAGOURGUE M
1- 850
LAMB W A
1- 663
LAMB W E
2- 257 2-1260
LAMB W R
2-1643 2-1644
LAMER V K
1-1509 2-1575
LAMERTON L F
1- 843
LAMM O
2-2026
LAMPHERE R W
1-1551
LAMPI E E
1-1081 2- 377 2- 378 2-1803 2-2068
LANDAU L D
1- 802 1-1608 2- 384 2-1072
LANDAU R
1-1258
LANDER J J
2- 563
LANDSBERG P T
2- 604
LANE C T
1-1024 2- 759
LANE T J D
1- 744
LANGER L M
1- 3 1- 696 1-1035 1-1193 2-2043
LANGHAM W H
2- 901 2-1024 2-1456
LANGMUIR R V
1- 528 2- 508 2-1377
LANNET R
1-1392
LANTZ P M
1- 852
LAPORTE M
2-1642
LAPOSTOLLE P
2-2156
LAPP E R
1-1758
LAPP R E
1- 794 1-1268 1-1439 2- 796
LAQUER H L
2-2126
LARAMYAN A S
1- 116
LARK HOROVITZ K
1- 177 2-1247
LARKINS J H
1-1116
LARSH A E JR
1- 661
LARSON C E
1-1745 2-1162
LARSON Q V
1- 834
LARSON R G
2- 987
LASICH W B
2-1750 2-1815
LASKIN S
1-1094 1-1223 2- 409
LASLETT L J
1-1150 2-1245
LASNITZKI I
1- 22
LASSEN N O
2- 173 2-1883
LATARJET R
1- 742
LATHAM R
1- 656

LATTES C M G
1- 180 1- 509 1-1420 1-1422 2-1198
LATTIMORE S
2-1549 2-1699
LAUDERBAUGH A B
2- 851
LAUGHLIN J S
2- 554
LAURITSEN C C
2- 495 2- 686 2- 993
LAURITSEN T
1-1323 2- 495 2- 622 2- 686 2- 993
LAUTERBACH K
1-1323
LAUTIE R
1- 281
LAVATELLI L S
1-1169
LAVENDER R
2- 370
LAW P G
2-1765
LAW R R
2- 594
LAWRENCE G H
2-1178
LAWRENCE J H
1- 371 1-1091 2- 345 2- 397 2- 642
LAWRENCE J S
1- 24 1- 418 1-1241 1-1530 2- 614
2-1320 2-1889
LAWSON A W
1-1522
LAWSON J L
1-1654 1-1895 2-1166
LAWTON E J
1- 307 1- 820
LEA D E
1- 242 1- 895 1- 898
LEACH L
1-1223
LEACH P JR
1-1291
LEADER G R
2-1837
LEARY J A
1- 875 2-2137
LEAVITT C P
2- 912
LEBLOND C P
1- 246 1-1058
LECAINE H
2- 241
LECOIN M
1- 154 2-2203
LE COUTEUR K J
2-1258 2-2013
LEE C C
1- 876
LEE T D
2-1554
LEFEVRE G JR
1- 247 1- 248
LEFORT M
1-1488
LEHNINGER A L
1- 389 2-1463
LEICHTER M
2-1957
LEIFER E
2- 669 2- 901 2-1023 2-1024 2-1456
LEIKIND M C
1- 387
LEISE K H
2- 121
LEITER H A
2-1938
LEITER J
1-1736
LEITH C E
1-1634 2- 527 2-1226
LEIVO W J
2-1367
LEMAITRE G
2- 694
LEMARR W W
2- 471 2-1919
LEMAY M J
1- 348
LEMEUR E
2-1316
LENNON B
1-1358
LENNOX E
1-1114
LENZ M
1- 348
LEONARD E
2- 714 2-1856
LEPKOVSKY S
1- 372 2-2048 2-2049
LEPRINCE RINQUET L
1- 303 1- 512 1-1151 2- 739 2-1778
LERNER C
1-1196

LERNER S R
2- 878 2-2050
LEROY D J
1-1828
LESAGE M
2- 450
LESEIN E
2- 425
LESLIE E H
2- 658
LEUCUTIA T
1- 411 2-2210
LEVENSON S M
2- 673
LEVENTHAL L
2-1160
LEVERENZ H W
2-1420
LEVEY G
2- 570
LEVIN M L
1- 184
LEVIN V I
1-1673
LEVINSTEIN H
1-1022
LEVITAN B A
2- 280 2- 281
LEVITSKAYA M A
2-1232 2-1818
LEVY H A
2-1284 2-1289 2-1524 2-1525 2-1526
2-1923
LEVY M
1- 434 2- 714
LEVY M G
1- 76
LEVY P S
2-1875
LEVY P W
1-1698 2-1694 2-1838
LEW H
2- 232
LEWIS H W
1- 75
LEWIS J R
2-1588
LEWIS L G
1-1610
LEWIS L W
1-1973
LEWIS W B
2- 317 2-1467 2-2045
LI M H
1- 27
LI T T
2-1549
LIBBY W F
1-1396 2- 570 2-1569
LICHTMAN S W
2-1649
LIDDELL H F
2- 931
LIDEN K
1-1953 1-1954
LIEBSON S H
1- 108 1-1273 2-1639
LIECHTI A
1- 642
LIFSHITS I M
1-1581
LIFSHITZ E M
1- 805 1-1676 2- 5 2- 384
LILIENTHAL D E
1- 11
LILLIENDAHL W C
1-1393 1-1854
LILLY R C
2-1441
LINCOLN D C
2-1681
LIND D A
1- 6 2-2207
LIND S C
1- 548
LINDBERG L
2- 156
LINDENBAUM A
1-1054
LINDHARD J
1-1424
LINDHOLM E
1-1841
LINDHURST R W
1-1505
LINDNER M
1-1007
LINDNER R
1- 203
LINDSTROM G
2- 239 2- 583
LINGANE J J
1-1253
LINENBERGER G A
2- 936
LIONS F
2- 728
LIPKIN D
1-1100
LIPSETT M B
1- 712
LOPES J L
2- 452 2-1049
LOPUKHIN V M
2- 238
LORBER V
2-1459
LORD J J
2-1551
LORD J O
1-1849
LORENZ E
1- 40 1- 404 2- 408 2-1061
LORIA A
2- 217 2-1912
LORIG C H
2-1379
LORNEAU S
1- 150
LORRAIN P
2- 918
LOSSING F P
1-1595
LOTZE I
1-1846
LOUDERMILK J L
2-2038
LOUGHRIDGE D H
1- 442 1-1123
LOUNSBURY M
1- 570
LOVE L O
2- 755
LOVEJOY F W JR
2- 45
LOVELL B
2- 142
LIPSON L B
2-1340
LISCO H
1- 416
LISTER B A
1-1713 2-1187
LITZ L M
1- 214
LIU C K
2- 714
LIVESEY D L
1-1293 2- 177 2- 536
LIVINGSTON R
1-1071
LIVINGSTON R L
1-1110
LLOYD J T
2-2179
LLOYD M I
1- 922
LLOYD S J
2- 362
LOACH B G
1-1446
LOCKENVITZ A E
2-1171
LOCKHART H
1- 710
LODGE A S
1- 161
LOEVINGER R
2- 368
LOEWENSTEIN W
1- 131
LOFGREN E J
1- 628 2- 445 2-1066
LOFGREN N
1-1098 1-1099
LOFTFIELD R B
1-1055
LOISELEUR J
1- 21
LONDON I M
1- 363 2- 332
LONDON PHYSICAL SOCIETY
1- 829
LONG J R
1- 280 2-1584
LONG L H
1-1823
LONGACRE A
2-1401
LONGLEY A E
1- 406
LONGMIRE C L
1-1699 2- 633 2- 849 2-1142 2-2025
LONGOBARDI E
1- 677
LONSDALE K
1- 274 1- 937 1-1584
LOONEY W B
2-1311

LOVERDO A
2- 734
LOW F
2- 567
LOW W
2-1213
LOW-BEER B V A
1-1528 2- 306 2-1281
LOWDERMILK W H
2-1821
LOWEN I S
2-1270
LOWEN W K
2-1517
LOWENS M
2- 714 2-1856
LOWERS H R
2-1758
LOWEY F J
1-1653
LOWMAN F G
2-1888
LOWN V W
2-1240
LUBANSKI J K
1- 8
LUBIMOV A L
2-1550
LUCE W H
1- 237
LUETH H C
1- 944
LUKENS R M
2- 24
LUKIRSKII P I
2-1191 2-1350
LUNBECK R J
2-1261
LUNDBY A
2- 287
LUSTIG R T
1-1535
LUTTINGER J M
1-1683 2- 775 2- 962 2-1089 2-1916
2-2185
LUTZ L R
2-1793
LUTZ S G
2- 754
LYATKOVSKAYA N M
1- 678
LYNCH J F
2-1185
LYON G M
2-1728
LYON W S
2- 999
LYONS C
2-1152 2-1445

MA S T
2-1276 2-2191
MAAS J M
2- 30
MCADAMS W H
2-2160
MCALLISTER M H
1-1544
MCARTHUR J W
1- 552 1-1063
MCBEE E T
1-1589
MCCALLUM K J
1- 86
MCCARTHY J J
1-1868 2- 551
MCCARTY C N
1-1716
MCCLEMENT P
2-2037
MCCLINTON L T
1-1542
MCCLURE G W
1- 984
MCCLURE J H
1-1782
MCCONAGHIE V M
2- 330 2-1370
MCCONNELL J
1-1005
MCCONNELL K P
1- 383
MCCORKLE H
2- 306
MCCOWN D A
1- 326 1-1482 1-1705 2- 220 2- 298
2- 299
MCCOY J R
1- 913
MCCREA J M
1-1828
MCCREARY R L
2-1993
MCCULLAGH E P
2-1007
MCCULLOUGH C R
2- 20
MCCULLOUGH H M
1-1798
MCCUTCHEON D
2-1469
MCDANIEL B D
1- 838 1-1169
MCDANIEL P W
2-1109
MCDONALD A M
1- 336
MACDONALD G L
1-1575
MCDONALD H J
1- 436 1- 927
MCDONALD R A
1-1363
MCDOWELL F
2-2216
MCELHINNEY J
2-1404
MCEWAN D H
1-1309
MCFARLANE A S
1- 865 1-1495
MCGINTY D A
1- 710 1- 711 1-1057
MCGOWAN F K
1- 107 1-1484
MACHLE W
2- 855
MCINTEER B B
1-1024 1-1607
MCINTOSH B J
2- 75
MCINTOSH L R
2- 852
MACKAY D M
1-1417
MCKAY K G
2- 545
MCKEE D
2-1925
MCKEEL J H
1-1776
MACKENZIE A J
1- 255 2- 201
MACKENZIE K R
1- 306 1- 676
MACKEY J
1- 408
MCKIBBEN J L
1- 88 1- 174 2-1236
MCKINLEY T D
2-1586
MCKINLEY W A JR
2- 380
MACKINTOSH A D
1- 961 2-2225
MCKISSON R L
1-1284
MACKLIN P A
2- 679
MACKLIN R L
1-1185 2- 294 2- 892 2-2061
MCKOWN H S
2-1374
MCLANE C K
2-1332 2-1447
MCMANUS H
2-1426
MCMANUS T
2- 593
MCMATH R R
2- 756
MCMILLAN E M
2- 777
MCNALLY J R JR
1-1361 1-1743 2-1292 2-1743
MACNAMARA J
1-1595 2-1271
MACNEE A B
2-1573
MACNIDER W DE B
2- 47
MACPHILLAMY H B
2-1546
MCVEY W H
1-1102 2-1034
MACVICAR R
2- 884
MADANSKY L
2- 961 2-2010
MADDOCK A G
2-1646
MADORSKY S L
1- 960
MADSEN C B
1-1234 2- 382
MAGNAN C
2-1941
MAGNUSSON L B
1-1064 2- 868 2-1478 2-1740
MAHIN E G
1-1425

MAHLER H R
2- 73
MAHN F
1- 970
MAIER-LEIBNITZ H
1-1128 2- 336
MAIN E R
1- 908 1-1388 2- 410
MAIR B J
1-1553
MAJUMDAR A N
1-1077
MAJUMDAR C
1- 297 1- 298 1-1158
MAKIEJ B
2- 218
MAKINSON R E B
1-1748 2- 728
MALASPINA L
2-1627
MALICH C W
2-1618 2-2139
MALLET L
1- 557 1- 844 1- 850 2- 40
MALM J G
1-1543
MALMFORS K G
1-1916 2- 156
MANDEVILLE C E
1- 157 1- 271 1- 331 1- 885 1-1191
1-1706 2- 810 2-1139 2-1843 2-2042
MANFREDINI A
1-1401 2-1347 2-1352
MANFREDINI M
2- 740
MANLEY J H
2-2044
MANN M
2-1886
MANN W
1- 907 2-1295 2-1337
MANN W B
1-1321 2-1106 2-2032
MANNING G K
2-1582
MANNING W M
2-1475
MANOUKHINE J
1-1090
MANSUR I G
2-1930
MARCH A
1-1438
MARINELLI L D
1- 337 1- 701 1-1935 2- 664 2-2232
MARINSKY J A
1-1045 2-1674 2-1675 2-1703 2-1704
MARKHAM R
1- 900
MARKOV M A
1-1919 2- 825 2- 850
MARKS E K
1- 40 1- 404 1- 613 1-1091 2- 613
2- 703
MARMIER P
1-1506 2-1589
MARNEY M C
1-1636
MAROIS M
2-1857
MARQUEZ L
2-2028
MARSCHALL H
2- 258
MARSH C R
2- 182
MARSHAK A
1- 869
MARSHAK R E
1- 287 2-1266 2-1358 2-1802
MARSHALL F H
2- 209
MARSHALL F R
2- 210
MARSHALL J
2- 244
MARSHALL J F
1-1485
MARSHALL L
1-1633 1-1752 2-1394 2-2067
MARTELLI G
2- 200
MARTENS H
2- 933
MARTENS R I
2-1708
MARTENSSON M
2-2026
MARTIN A J P
1-1553
MARTIN C L
2- 854 2-1013
MARTIN D G E
2- 283 2-1440
MARTIN G R
2- 922
MARTIN J A
2-1013
MARTIN J H
1- 593
MARTIN M
2-2055
MARTIN R P
2-1299
MARTIN W R
1-1212 2- 713 2-1018
MARTINELLI E A
2- 89
MARTIUS U M
2- 548
MARTY C
1- 665 2- 104 2- 735
MARVIN J F
2- 877
MASI J
1-1228
MASILUN W J
2- 975
MASON M L
2- 986
MASON R W
2-1735
MASON W P
1-1779
MASSEY H S W
1- 522 1-1137 2-2140
MASSEY R D
1-1330
MATHER K B
1- 328 1-1202
MATHESON A R
2- 864
MATHESON H
1-1231
MATHEWS P T
2-2182
MATHIS A L
2-1262 2-1835
MATHIS V
2- 593
MATON W R E
2- 234
MATTAUCH J
1- 467 2-1015
MATTHEWS A F
1- 972
MATTHEWS F W
2- 146
MATTHEWS S A
1-1056 2- 335
MATYAS Z
1- 825
MAURICE D M
2- 557 2-2231
MAURIN R
1- 850 2- 40
MAXFIELD J G S
1-1199
MAXFIELD J R JR
1-1199
MAXWELL E S
1- 720
MAY A N
2-1074
MAY K R
2-1574
MAY S
1- 576
MAYER H
2-1497
MAYER M G
1- 216 1- 803
MAYERSON H S
2-1152
MAYNARD E A
1-1094 1-1095
MAZE R
1-1105 2- 443 2-1769
MAZIA D
1- 741 2- 713
MEAD J F
2-1262
MEADOWCROFT A J
2- 805
MEAGHER W R
1-1958
MEANS J H
1- 355 1-1063
MEDICUS H
1-1479 1-1506
MEDLEY D J
1- 776
MEEK H V
1-1762
MEGGERS W F
2- 795
MEI J Y
2-1607
MEIER R
2-1330 2-1512
MEIJER R R
2-1604

MEINKE W W
1- 835 1-1317 2-1144
MEISSNER K W
1-1732
MEITNER L
2-2143
MEIXNER J
2- 980
MELANDER L
1-1372 2- 502 2-1063
MELCHIOR J B
1- 393 2-2234
MELKONIAN E
1- 144 2- 524
MELLODY M
1- 393
MELLON M G
2- 58
MELLOR D P
2- 728
MELLOR J F JR
2-1793
MELON J
1- 574
MENEGHETTI D
1- 40 1- 985 1-1859 2-1969 2-1974
MENKER H E
2-1159
MERIGOUX R
2- 944
MERLING K B
2-2121
MERRILL P
1- 710
MERRITT F R
2- 327
METCALF R P
2-1531 2-1535 2-1671
METLAY M
1- 826 1- 827
METROPOLIS N
2- 977
METZGER F
1-1294 2- 7 2- 288
MEYER H A
1-1403 1-1690 2-1069 2-1563
MEYER H E
1-1648
MEYER K P
1-1297
MEYER S
1-1020 2-1982 2-1986 2-2159
MEYERHOF W E
1-1033 1-1190
MEZZETTI L
2- 207
MICHEL P C
2-1947
MICHELS A
2- 134
MICHIELS J L
2- 195
MIESOWICZ M
1- 439
MIGHTON C J
2- 747
MIGICOVSKY B B
2-1461
MIHELICH J W
2- 634
MIHU V P
1-1670
MIKA E S
1- 40 2-1175
MIKIEWICZ E
2-1453
MILES J W
2- 268
MILHAM M
1-1314
MILHAM R
2- 570
MILLER A R
2-1629
MILLER A V
2-1550
MILLER B S
1-1796
MILLER D C
1- 636
MILLER D R
1-1008 1-1014
MILLER E
2-1061
MILLER E B
1-1269 2-1309
MILLER E R
1- 847 2- 464 2-1278
MILLER H H
1-1101
MILLER J I
2- 438
MILLER J M
2- 570
MILLER L C
2-1673
MILLER L L
2-1019 2-1020
MILLER N
1-1707
MILLER O B
2-1298
MILLER W B JR
1- 718
MILLER W C
2-1269 2-1828
MILLER W T JR
2- 125 2- 478
MILLER W W
2- 907 2-1065
MILLETT W E
2- 507
MILLICAN F M
1- 442
MILLIKAN R A
1- 523 2-1779 2-2075
MILLMAN S
1- 822
MILNER C J
2- 955
MILTON C
2- 771
MINDALEV L A
2-1956
MINDER W
1- 412 1- 413 1- 546 1- 842
MINNHAGEN L
2-1600
MISCH R D
1- 436 1- 927
MISENER A D
2- 793
MISKEL J A
1-1359 2- 936
MIT NUCLEAR SCIENCE AND ENG LAB
1-1442 1-1519 1-1527 1-1606 1-1629
1-1843 1-1861 1-1864
MIT RADIATION LAB
1-1603 2-1937 2-1948 2-1949 2-2134
MIT RESEARCH LAB OF ELECTRONICS
1-1662 1-1667 1-1668 1-1868 1-1881
1-1903 1-1904 1-1905 2- 255
MITCHELL A C G
1- 327 1- 693 1- 796 1-1318 2- 996
2-2060 2-2200
MITCHELL A M
1- 752
MITCHELL H K
2-1456
MITCHELL J A
2- 973
MITCHELL J S
1- 740 2-2035
MITTELMAN P
2- 235
MIXER H W
2-1057
MOAK C D
1-1640
MOCHEL W E
2- 747
MOCK D L
2- 233
MOE D
2- 842 2-2205
MOELLER T
2- 56 2- 433
MOFFATT J
2- 509
MOGINIER H
1- 871
MOHLER O C
2- 756
MOLLER C
1-1674
MOLLIE W E
1- 714
MONK A T
1-1221
MONK G W
1- 99 1- 458 1- 594 1- 949 2- 219
MONTALBETTI R
2- 241
MONTGOMERY C G
2-1900 2-1936 2-1939 2-1951
MONTGOMERY D D
2-1900 2-1936 2-1939 2-1951 2-2132
MONTGOMERY R A
2-2101
MOODY N F
2-2011
MOON R J
1- 40
MOONEY R C L
1- 705 1-1712 1-1807 2- 462
MOORE A J W
1- 487
MOORE C E
1-1725
MOORE C V
1- 390

MOORE D G
1-1772 1-1774
MOORE G E
1-1738 2- 876 2- 877 2-1726
MOORE J I
2- 853 2-2033
MOORE M F
2-2085
MOORE R F
2-1855
MOORE S
1-1553 2- 427
MOORE W J
2-1032
MORAIS E
1- 423
MOREL F
2-1857
MORENO T
1-1662
MORETTE C
1-1002
MORGAN A F
1- 372 2-2048
MORGAN G W
2-1075 2-1795
MORGAN K Z
1- 452 1- 781 1- 941 1-1412 2- 489
2- 491 2- 989
MORGAN L O
1- 206 1-1066 1-1229 2-1480
MORGANSTERN K H
1- 953
MORGULIS N D
1-1672
MORING-CLAESSON
1-1214
MORITZ H
1- 920
MOROZOV I G
2-1360
MOROZOV V
2- 98 2-1202
MORPURGO G
2- 97
MORRAL F R
1- 929
MORRIS J C
1- 451
MORRIS P A
1- 734 1-1802
MORRIS R
1- 234
MORRISH A H
2-1690
MORRISON A
1-1300 1-1301 1-1933 2-1192
MORRISSEY R
2- 619
MORSE M L
2-1853
MORTON D G
2-2039
MORTON G A
2- 973 2-1248
MOSELEY H M
1-1134
MOSES S G
1- 405
MOSHARRAFA A M
2- 822
MOSS C J
2- 159
MOTT N F
2-1562 2-2192
MOTTA E E
1- 299 1- 300 1- 305 1- 519 1- 834
1-1031
MOUSUF A K
1- 284
MOUTET A
1- 281
MOUZON J C
1-1835
MOYAL J E
2-1654
MOYER B J
1- 817 1-1878 2- 527 2-1441
MUEHLHAUSE C O
2- 631
MUELLER M E
1- 210
MUETHER H R
2-1141
MUFSON I
2- 346
MUIRHEAD E G
2-1815
MUIRHEAD H
1-1156 1-1515 2-1068 2-1195
MUKERJI A
1-1479
MUKHERJEE B
1-1334 2- 649 2-2041
MUKHERJI A
2- 624
MULLANEY J F
1- 89 1- 993
MULLER H J
2-1062
MULLER J H
2- 304
MULLER R M
1-1826
MULLER W J
1-1559
MULLETT L B
1-1446 2- 585
MULLIKEN R S
1-1454
MULLIKEN T W
2- 248
MULLIN C J
1-1445 1-1485 1-1486
MULLINS L J
1- 112 1- 717
MULLIS A
1- 842
MULRYAN B J
1- 46 1- 908 1-1386 1-1388 2-1179
2-1455 2-2080
MULVEY T
2-2120
MUNCH G
1-1235
MUNDIE L G
1-1732
MUNTZ J A
2- 49 2-2079
MURAKAWA K
2- 326
MURARD R
2- 601
MURATA K J
2- 771
MURPHY D P
1- 736
MURRAY A III
1-1395 2- 908 2- 909 2- 910
MURRAY F H
2-1597
MURRAY R B
2-1207
MURRAY R G
1-1237 1-1763
MURRAY W S
1-1112
MUSKHELISHVILI G
2- 98
MUSSEL L W
1-1898
MUXART R
1-1487
MYERS J W
1- 353 1- 558
MYERS R H
2- 763 2- 766 2-1080
MYERS V W
1-1187 2 1088
MYERS W
1- 353 1- 558
MYERS W G
2-1003

NAFE J E
1-1720 2- 657 2-2226
NAG B D
1- 284
NAHMIAS M E
1-1436
NAIMAN D N
2-1177
NAKAGAWA S
2-2147
NAN K S
2- 600
NARAYANAN P S
2-1454
NARDI G L
2-1457 2-1852
NASH L
1- 754
NASH P
1- 614
NASH W F
1- 675
NATL ADVISORY COMM FOR AERONAUTICS
1-1517 1-1772 1-1774 1-1846 1-1847
1-1902
NATL ASSN OF CORROSION ENGINEERS
1- 927
NATIONAL DEFENSE RESEARCH COMM
1-1669
NATIONAL RESEARCH COUNCIL OF CANADA
2-1640 2-1641
NAUDE S M
1-1050
NAUMOV A A
2-1071
NEAL W B JR
1- 40 1- 40 2- 855 2-1026

NEELY J J
1-1775 2- 50 2- 51
NEHER H V
2-1356
NEIDRACH L W
1- 752
NEILSEN H H
2- 330
NEIMAN M B
2-12166
NEKRASOV B V
1-1908
NELLER J R
1- 868
NELSON C M
2-1525 2-1537 2-1539
NELSON E B
1-1720 2- 657 2-2226
NELSON F
1- 357 2- 352 2-1161
NELSON L
2- 372
NEMILOV I A
2-1499
NEMIROVSKII P E
2- 827
NERESON N G
1- 510 1- 999
NESS A T
2-1860
NEU J T
1-1950
NEU L
1- 39
NEU V
1- 39
NEUERT H
2-1001
NEUKOMM S
2- 425
NEUMAN M W
1- 908 1-1386 1-1387 1-1388 2-2080
NEUMAN W F
1- 46 1- 606 1- 906 1- 908 1-1074
1-1094 1-1095 1-1386 1-1387 1-1388
2-1179 2-1327 2-1455 2-2080
NEVILLE D K
1- 373 1- 861 1-1792
NEWBERY G R
2- 240
NEWBURY E G
1- 975 2-2137
NEWELL H E JR
1- 460
NEWKIRK J B
2- 118
NEWLIN G C
1- 87
NEWMAN J R
1-1796
NEWTON A S
1- 301 1- 620 1-1009 1-1224 2- 782
2-1041 2-1043 2-1304 2-1669 2-1672
2-1749
NEWTON R R
2- 592
NEWTON T W
2-1162
NEY E P
1- 628 2- 445 2-1066 2-1903
NICHOLSON P
2- 115
NICHTRIEB N H
2- 313
NICKERSON W J
1- 717 1- 734
NICKOLS D G
2-1223
NICKSON J J
1- 417 1-1493 1-1533 2- 395 2- 486
NICKSON M J
2- 38
NICODEMUS D
1-1868
NIELSEN H H
2-1370
NIEMIEC T
2- 793
NIER A O
1-1024 1-1593 1-1607 2- 498 2- 510
NIESET R T
2-1152
NIKITIN B A
2-1084
NIKITIN S Y
1-1616
NIKOLSKII S
2-1557
NIKONOVA M P
2-1720
NING H
1- 596
NIVEN J
1- 973
NOBLES R
1- 978
NOGAMI H H
1-1430
NOONAN E C
1-1586
NOONAN T R
1-1195 2- 303 2-1021 2-1022
NORD F F
2-1151
NORDHEIM L W
1-1799 2-1169
NORRIS T H
1- 64
NORRIS W P
2-1286
NORSTROM A
2-1865
NORTON F H
1-1097
NOSAWA R
2-1917
NOTRE DAME UNIVERSITY
1- 548
NOTTORF R W
1- 632 2-1043 2-1304 2-1670 2-1672
NOVEY T B
2-1478 2-1535 2-1669 2-1680 2-1739
2-1871 2-1873 2-1874 2-1875 2-1876
2-1881 2-1968
NOVITSKI E
1- 44
NYC J F
2-1456
NYE R D
2- 361
NYE R E JR
1- 367
NYLIN G
2-2051

OATLEY C W
2-2122
OBREIMOV I V
1-1576
OBRIEN T D
2-1744
OCCHI A
1- 67
OCCHIALINI G P S
1- 798 1- 933 1-1422 2- 776 2- 966
OCONNOR P R
1-1229 1-1967
ODDIE T H
2- 334
ODELL F
2- 903
OETJEN R A
2- 593
OGATA K
2- 757
OGLE W E
2-1617
OGSTON A G
2- 875
OHIO STATE UNIVERSITY
1-1415
OHMART P E
2-1925
OKAYAMA T
2-1119
OKONSKI C T
2-1577
OLDS B S
2- 350
OLEARY J
1- 46 2-1329
OLIPHANT M L E
2-1496
OLIVER R
2-1008
OLYNYK P
1- 759
ONEIL J B
1- 876
ONG S G
2-1844
OPECHOWSKI W
1- 625
OPPENHEIMER F
1- 628 2- 445 2-1066 2-1903
OPPENHEIMER J R
2-1768
OPPERMANN R H
1-1944 2- 243
ORBELI M L
2-1627
ORE A
1- 164
ORIANI R A
2- 721
ORLEMANN E F
1- 589
ORLIN J J
1-1480
ORRICK N C
2-1919

ORSTROM A
1- 874
ORTH D A
2-2028
OSBORN F
1-1555
OSBORN G H
1-1204
OSBORN S B
2-1297
OSBORNE D W
2-1476 2-1614 2-1997
OSGOOD E E
1-1038
OSHRY E
2- 664
OSOBA J S
2- 192
OSSWALD E
2- 119
OTTOLENGHI L
2- 899
OTVOS J W
1-1554
OVERBECK C J
2-1149
OVERMAN R T
1- 976 1-1162 1-1649
OVERSTREET R
1-1184 1-1911 2- 347 2-1194
OWEN G E
1- 691 2- 194 2- 216 2- 842 2-2205
OXLEY C L
1- 7 2-1993

PACE N
2-1158
PACHNER J
2- 752
PACKARD M E
1- 777
PADFIELD D G
2- 946
PAINTER E
1- 42
PAIS A
1- 517 1- 810
PAKE G E
1-1885 1-1888 2- 750 2-1227
PAL H K
2- 386
PALMER E D
1-1531
PALMER W L
2-1321
PANCINI E
2- 207
PANETH F A
2- 501 2- 724 2-2238
PANETH H R
2-1690
PANNELL J H
1-1147 2- 428
PANOFSKY W K H
1-1307 2- 89 2- 572 2-1405
PAPE R
1- 737
PAPP G
1-1651 1-1652 2- 461
PAPPAS A C
1- 726
PARDUE L
1-1640
PARKER D R
1- 902
PARKER G W
1- 51 1- 852 2- 424 2-1530
PARKER L
2- 414
PARKINSON G B
2-1106
PARKINSON T F
2-1207
PARKS R D
1-1629
PARMLEY T J
1- 817 2-1441
PARRY A
2- 320
PARSON W
2-1152
PARSONS J
1-1949
PARSONS R P
2- 42
PASCHKIS K E
1- 250 1-1739
PASLER M
1-1464 1-1465 2-1651
PATERSON E
1- 904
PATERSON R
2- 862
PATRO A P
2-2198

PATT H M
1- 40 1- 40 1-1764 2-1754 2-1755
PATTEN R B
1- 768
PATTERSON J H
1-1785
PATTERSON V K
2- 989
PATTON R L
2-1474
PAUL E B
1-1433 2- 582
PAUL W
1- 506 2- 155
PAULI W
1- 318 2- 260
PAYNE R M
1- 167 1- 675 1- 798
PEACOCK C L
1- 837 2- 995 2- 996 2-2200
PEACOCK W C
1- 380 1- 388 1- 710 1-1739
PEARLMAN H
2-1051
PEARLMAN N
1- 13
PEARLSON W H
1-1820
PEARSALL C S
2-2163
PEARSON I A
2- 37
PEASLEE D C
1-1896
PECK R L
1-1553
PEED W F
1- 702 2- 863 2-1718
PEIERLS R E
2-1090
PEIRCE C B
1- 560
PEKAR S I
1-1574 1-1580 2-1072 2-1073
PENDERGRASS E P
1- 736
PENG H W
1-1002
PENNEMAN R A
1- 697
PENNSYLVANIA STATE COLLEGE
1-1545 1-1546
PENNYBACKER J
2-1010
PEPKOWITZ L P
1-1549
PERCIVAL W
1-1058
PERELSHIN A S
1-1583
PEREY M
2-2203
PEREZ-MENDEZ V
2- 568 2-1435 2-2199
PERFILOV N A
2-1191 2-1350
PERISCO E
1- 273
PERKINS D H
2-1549 2-1770
PERKINS M S
1-1353
PERLMAN I
1- 878 1-1042 1-1182 1-1229 1-1715
1-1838 2- 569 2- 620 2-1215 2-1480
2-2031
PERLMAN M L
1- 879 1-1016 1-1895 2-1614
PERLOW G J
2-1206
PERRUCHE L
2- 871
PERRY J E JR
1- 7
PERSANO A
2- 109 2-1152
PERTZOFF V
2-1296
PESCUMA D
1-1331 2- 670 2- 856
PETER O
2- 34
PETERS B
1- 628 2- 446
PETERS J H
2- 411
PETERSON A E
2- 917
PETERSON E A
2-2230
PETERSON H C
1-1966
PETERSON J M
2- 777
PETERSON R E
2- 562

PETERSON S
2-1332 2-1786 2-1436 2-1447
PETERSON V
2-1256
PETIAU G
1- 686 1-1025 1-1682 2- 444 2- 826
PETRETIC B J
2-1491
PETTENGILL A
2- 898 2-1930 2-1512 2-1513
PEYTON W T
1-1738
PFANSTIEHL A
1- 990
PHILIPP K
2- 290
PHILIPS R
1-1307 2- 572
PHILLIPS A N
1- 979 2-1099 2-1975
PHILLIPS G C
2-1618
PHIPPS T E
1-1251
PICCIONI O
2- 457
PICKARD H B
2-1577
PICKERING J E
1-1695 1-1956
PICKLE C B
2- 493
PICKUP E
1-1013 1-1300 2-1192
PIDD R W
2- 961 2-2010
PIERCE M
1-1237 1-1763
PIERRER J
1-1760
PIETZKA G
1-1906
PIMENTAL G C
1-1368
PINKUS H
2-1277
PINO J A
2-1058
PIRENE J
1-1313
PITZKER K S
1- 530
PLACZEK G
1-1861
PLANT C H
1-1286
PLATT J B
2-1993
PLATT J R
1-1821
PLATZMAN R L
1-1499
PLESSET M S
1-1518 1-1865
PLINER Y G
2- 442
PLYLER E K
2- 325
POBERSKIN M
1- 840
POCZA E F
2- 559
PODGORETSKII M I
1-1569 2-1100 2-1204
POLAKOVA E M
2- 436
POLLARD E C
1-1523 1-1870 2-1620 2-1890
POLLARD H V
1- 270
POLLARD J
2-1044
POLLOCK H C
1- 528
POLONOVSKI M
1- 365
POLUEKTOV N S
2-1720
POMERANCE H S
1-1640 2-1385
POMERANCHUK I
1- 804 1-1608 1-1639 1-1641
POMERANTZ M A
1-1561 2- 743
POMEROY J H
1-1864
POMMET J
2- 788
PONIZOVSKIY L B
1- 397
PONTECORVO B
1-1023 1-1421 2-1361 2-1811 2-1826
2-1839
PONTIEU J
2-1128
POOL M L
1- 326 1- 543 1- 544 1-1482 1-1705
2- 298 2- 299 2- 639 2- 640
POOLE J H J
1- 285 1-1514 2- 483 2-1224
POOLE M J
1-1435
POPJAK G
1-1053
POPKOV V I
1-1671
POPOV M A
1-1783
PORTER B
2-1152
PORTER R W
1- 939
PORTMANN A F
2-1891
POSS H L
2-1399
POTIER R
1-1692
POTTER R A
1- 264
POTVIN R
1-1848
POUND R V
2-2133
POVELITES J J
1- 975 2-2137
POWELL C F
1- 401 1- 933 1-1422 1-1615 2- 776
2-1068 2-1195
POWELL H
1-1209
POWELL J L
2- 823
POWELL J P
1-1536
POWELL R W
2- 393
POWELL W M
1- 117 1-1856 2-1391 2-1547 2-1783
2-1799
POWER M H
2- 646 2- 855 2-1545
POWERS E L JR
1- 40 1- 235
POWLES J G
1-1777 1-1778
PRATT W W
1-1150 2-1245
PREISWERK P
1-1279 1-1479 1-1506 2-1689
PRENTKI J
2- 104 2- 735
PRESENT R D
1- 545 1-1303 2- 249 2-1998
PRESSMAN D
1- 583
PRESTON M A
2- 841
PRESTON W M
1- 791 2- 532
PRICE C H G
2- 32
PRICE F L
2- 402
PRICE G R
1-1227
PRICE H C JR
1- 3 1-1035 1-1193 2-2043
PRICE W C
1- 80
PRICE W J
2- 593
PRIEST H F
2- 439
PRIGENT J
2-2064
PRIKHOTKO A F
1-1576
PRIMAK W
1-1312
PRIMAKOFF H
1-1617 2- 216
PRINCETON UNIVERSITY
1- 521
PRINGLE R W
2- 550 2- 971
PRINZMETAL M
2-2219
PROCTOR B E
1-1036
PROCTOR W G
2-1229
PROMISEL N E
2-1593
PROSSER C L
2-1175
PROUD E R
1-1549
PRYCE M H L
1- 731 2- 603

PUDDINGTON I E
2-1369
PULLMAN B
2- 348
PUPPI G
2-1196 2-1348 2-1357
PURCELL E M
1-1685 2-1227 2-1954
PURDUE UNIVERSITY
1-1019
PURKAYASTHA B C
1- 924 2- 351 2- 774
PUTMAN E W
1- 61
PUTMAN F W
1-1508
PUTMAN J L
2- 543 2- 976

QUARTERMAN L A
1-1312
QUASTLER H
1- 237 1-1244
QUERCIA I F
2- 440 2-1362 2-1902
QUILL L L
1-1716
QUIMBY E H
1- 701 1-1329 1-1934 1-1936 2- 346
2- 564

RABBITTS F T
2- 63
RABI I I
2- 523 2- 595
RABINOVICH M
1- 308
RABOVIK J I
2-1081
RACHELE J R
1- 867 2-1465
RACHINSKII V V
1- 709 2- 67
RADICATI L A
1- 166 1- 535 2-1428
RADIMER K J
1-1255
RAEUCHLE R F
1- 632
RAI R N
1- 138
RAINWATER L J
1- 92 1- 93 1- 94 1- 144 1-1267
2- 523 2- 524 2- 525 2- 526 2-1085
2-1807
RAKITIN D
2-1555
RALL W
2-1673
RAMSEY W H
1-1753 2- 267 2- 781
RANDALL C A
2-1568
RANDOLPH L F
1- 406
RANGER R H
1-1899
RANKIN C W
2- 70
RAO K R
1-1048
RAO V R
1-1048
RAPER J R
1-1240
RARITA W
2- 564
RASMUSSEN V K
1-1323 2- 993
RATHGEBER H D
1- 776 1-1844 2-1765
RATIER J
1- 694
RAUB E
1-1627
RAVENHALL D G
2- 895
RAWSON R W
1- 710 1- 711 1-1063 1-1957 2- 664
2-2232
RAY C T
2-1468
RAY D T
2- 714
RAY F E
2-2094
RAY J P
2- 928
RAY W R
1-1647
RAYMOND W
1- 362
RAZORENOV L
2-1199

READ J
1- 234
READE M
1- 876 2-2235
REAS W H
2-1343 2-1995
REASER P B
2-1025 2-1468
REAVELL F R
2- 757 2-2131
REDEMANN C E
2- 480
REDMOND J W
2- 147 2- 149 2-1212
REED C W
2-2004
REED E L
2-1184
REED S A
2-1897
REES A L G
1-1456
REESE A B
2-1147
REESE J W
1- 377
REEVE E B
2-2054
REHBEIN F
2- 290
REID A F
1- 474 1-1348
REID J C
1- 252 1- 947 1-1759 2- 340 2-1338
2-2091
REINES F
1- 89 1- 993
REKERS P E
2- 23 2-1434
REMMEY G B
2- 416 2- 418
RENTSCHLER H C
1-1854
REUTERSWARD C
1-1916
REVIGLIO G M
1- 524
REYNOLDS C A
1-1024
REYNOLDS E E
1-1847
REYNOLDS F L
1-1892 2-1077 2-1402
REYNOLDS G T
2- 111 2-2102
REYNOLDS L
2-2210
REYSEN W H
1- 81
RHOADES C W
2-1919
RHOADES R P
1-1763
RICE C N
2-1285
RICE W
2- 570
RICH A
2- 714 2-1856
RICHARDS H T
2- 470 2- 571
RICHARDS J A
1-1799
RICHARDS P I
1-1460
RICHARDSON H O W
2- 283 2- 623 2-1251 2-1440
RICHARDSON J R
1-1305 2- 447
RICHARDSON W L
1-1174
RICHEY E O
1-1695
RICHMAN C
2-1405 2-1650
RICHMOND J C
1-1772
RICHTER A F
1- 527
RICHTMYER R D
2-1564
RICKARD M J
1- 40
RICKETTS W E
2-1321
RIDDELL C
1- 711
RIDER B F
2- 58
RIEHL N
1- 181 1-1653
RIEZLER W
1- 19 1- 33 1- 577 1- 735
RILEY E F
1-1240

RINCK E
2- 61
RING H
1-1453 1-1890 2- 943
RINGER W
2- 762
RINGO G R
2-1969
RISPOLI B
2- 440 2-1362 2-1902
RISSER J R
2-1618 2-2139
RITLAND H N
1- 464
RITSON D M
1-1156 1-1615 1-1816 2-1195
RITTENBERG D
1- 363 1- 471 2- 332
RIVIER D
1- 653
RIVIER J L
1- 871
ROAF D
2- 509
ROBBINS L L
2-1443 2-1846
ROBERG J
2-1189
ROBERTS A
1- 159 1- 556 1-1590
ROBERTS E
1- 896
ROBERTS E R
2-1579
ROBERTS J D
1-1931
ROBERTS J S
1-1409
ROBERTS R H
1- 784
ROBERTSON J H
1- 219
ROBERTSON J K
2-1145
ROBILLARD J
1-1830
ROBINETT P W
1- 905
ROBINSON B
1-1351
ROBINSON C F
1- 978
ROBINSON C S JR
2-1946
ROBINSON C V
2- 562
ROBINSON D W
2- 39
ROBINSON E S
1-1167
ROBINSON H B G
2-1028
ROBINSON H P
1-1218 2-1373 2-1413 2-1464 2-1485
2-1533
ROBINSON J E
2-2023 2-2202
ROBINSON K W
2-1248
ROBINSON P L
2- 678
ROBINSON W J
1- 481 1- 964
ROBSON J M
2- 546 2-1103
ROCHAT O
1-1643
ROCHESTER G D
2- 92 2- 110 2- 742 2-1777
ROCHESTER UNIVERSITY
2-1416
RODDEN C J
1- 752 2-1490 2-1491
RODGERS J
1-1074
RODNIKOVA I V
1-1576
RODRIQUEZ A E
2-1560 2-1631
ROEDER F
1- 391
ROESCH W C
2-1356
ROGERS F T JR
1-1319 1-1320 1-1324 2-1842
ROGERS J D
2- 593
ROGERS L B
1-1101 1-1173 1-1250 1-1551 2-2087
ROGERS R R
2- 764
ROGOZINSKI A
2- 103 2- 450 2- 745
ROHRER R H
1- 718
ROHRLICH F
2- 322 2- 329 2-1603
ROLLEFSON G K
1-1220
ROLLIER M A
1- 621
RONZIO A R
1-1395 2- 908 2- 909 2- 910 2- 975
ROOT G
2- 696
ROSE B
2-1135
ROSE M E
1- 507 1- 508 1- 666 1- 977 1- 991
2- 385 2- 799 2- 941 2- 988 2-1093
2-1439
ROSEN L
1- 979 2- 893 2-1037 2-1045 2-1099
2-1235 2-1634 2-1975 2-1990
ROSEN M J
1-1265
ROSEN N
1-1134 2-1228
ROSEN R
1-1258 1-1407
ROSENBERG I N
2-1460 2-1462
ROSENBERG R L
2- 733
ROSENBLUM S
2- 630 2-1648
ROSENBLUTH M
2-1193 2-1554
ROSENFELD I
1- 751
ROSENFELD L
1-1444 2-1230 2-1258
ROSENQVIST I T
2-1959
ROSENSTEIN J
2-1004
ROSENTHAL I L
2-1194 2-1197
ROSENTHAL R L
2-1263
ROSS C S
1- 286
ROSS E J
2-2231
ROSS M H
2- 708 2-1892
ROSS S
1- 176 1- 310
ROSSI B
1- 78 1- 761 1-1119 1-1804 2-1548
2-1553 2-1768 2-1780 2-2098
ROSSI H H
1- 747
ROSTAGNI A
2-2164
ROSWIT B
2-2019
ROTARIU G J
2- 480
ROTBLAT J
2- 343
ROTH E B
2-1124
ROTH L
2-2009
ROTH L J
2- 669 2- 901 2-1023 2-1024
ROTH L W
1-1922
ROTHCHILD B F
1- 258
ROTHENBERG M A
2- 714
ROTHENBERGER C D
1- 589
ROTHSTEIN A
1- 749 1-1094 2-1180
ROVINSKII B M
2- 117
ROWLAND S P
2- 421
ROWLANDS S
1- 293 1-1299 1-1734
ROWLEY D
1-1734
ROY R R
1- 402 2- 591
ROYAL H F
2- 902
ROYAL INSTITUTE OF CHEMISTRY
1-1357
ROZENDAAL H M
1- 943
ROZENTAL S
1-1916
RUBINOWICZ A
1- 185
RUBINSON W
2- 937 2-1716 2-1859
RUDENBERG F H
2- 808

RUDENBERG R
1-1604 2- 140
RUDERMAN I W
2- 74 2- 525 2-1085 2-1807
RUEDMANN A D
2-1442
RUKA R
2-2058
RULING J
1-1674
RUMPF P
2- 348 2- 589
RUNDLE R E
1- 211 1- 632 1- 633 1- 764 1-1224
1-1363 1-1369 1-1814 1-1965 2-1378
RUSINOV L I
1- 116
RUSSEK A
2- 108
RUSSELL D S
2-1010
RUSSELL E R
1- 417 2-1335 2-1863
RUSSELL H N
1-1342
RUSSELL R S
2-1299
RUTENBURG A M
2-2228
RUTGERS UNIVERSITY
1-1547
RUTLEDGE W C
2-2141
RUTTER L
2-2088
RYABCHIKOV D I
1- 707
RYNASIEWICZ J
1-1117
RYSS I G
2- 436

SACCONI L
2- 360
SACHER G A
1- 13 1- 40 1- 607 1- 613 1-1091
SACHS R G
1-1004 1-1164 2- 231
SACK T
1- 380 1- 388 1-1737
SACKS J
1- 386 2- 139
SADAUSKIS J
2-2161
SAFFORD R W
2-1766
SAH P P T
1- 923
SAHA A J
1- 330
SAHA N K
2-2204
SAILOR V L
2-1620
SAKHAROV A D
1-1680 2-1067
SALA O
2-1094 2-2144
SALAMAN M H
1- 242 1-1242
SALANT E O
1-1259
SALISBURY L F
2- 747
SALOMON K
1-1195 2- 303 2-1021 2-1022
SALPETER E E
2- 607
SALPETER J L
2- 792
SALSIG W W JR
2-2155
SALTER W T
2- 664
SALVINI O
1- 640 1-1132 2- 100 2-1906
SALZMAN C F JR
2- 468
SAMOILOV B N
2-1039
SAMPSON M B
1- 796 1-1035
SAMSON S
2-1040 2-2063
SANABRIA J M
2- 237
SANADI D R
2- 667
SANDELL E B
2-1594
SANDER K F
2-2122
SANDERS J H
2- 509 2-1416
SANDERS L A
1- 172
SANDERSON M
1-1314
SANDERSON R T
2- 371
SANDOCK J
2- 186
SANDROCK W E
1- 367
SANDS M L
1- 71 1- 948 1- 948
SANTANGELO M
2- 200
SARABHAI V
2- 115
SARD R D
1- 655 2- 114 2-1768 2-2107
SARGENT B W
1-1380
SARKISOV E S
1- 635
SARNA H R
1- 74
SARSFIELD N F
2-1789
SASAKI N
2- 145
SASVARI K
2- 461
SATO R
1- 40
SATO Y
1- 375
SAUNDERS B C
1-1784
SAUNDERS R A
1-1723
SAVAGE H W
2- 148
SAVIN F D
1- 631 2-1354
SAVIT J
2- 480
SAVORNIN A
2-1961
SAWYER C B
1-1845
SAXON D
1- 668 1-1188 1-1474 2-1840
SAZYNSKI J
2-2141
SCHACHMAN H K
2-1158
SCHAFER W D
1-1272
SCHAFROTH R
2- 979 2-2190
SCHARFF-GOLDHABER G
1- 315 1-1703 2- 169 2- 991 2-1136
SCHAWLOW A L
2-2146
SCHEDE R W
2-1636
SCHEEN W L
2-1200
SCHEIN M
1- 260 2- 257 2- 915 2-1551
SCHELD H
2-1015
SCHEMINSKY F
1-1049
SCHENCK J
1-1400
SCHERB M V
1- 157 1- 331 1- 685 1-1191 1-1706
2- 810 2-1139
SCHIFF L
1- 714
SCHIFF L I
1- 171 2- 272 2-1121
SCHILLINGER E J JR
2-1828
SCHLEBERG A D
1- 796
SCHLECHTEN A W
1-1626
SCHLECHTEN Q W
1- 788
SCHLESINGER H I
2- 76 2- 77
SCHLOGL F
2- 939
SCHMIDT C
1-1329 1-1934 2- 664
SCHMIDT C F
1- 25
SCHMIDT F H
1- 306
SCHMITZ W
1- 674
SCHNEIDER A
2-2127
SCHNEIDER E E
1-1810 2- 779

SCHNEIDERMAN H
2-1262 2-1835
SCHOFIELD H Z
2-1185
SCHOFIELD M
1-1143
SCHOLZ C R
2-1546
SCHONBERG M
1-1423 1-1468 2-1114
SCHOVER D
2-1739
SCHREIBER A P
2- 887
SCHREIBER R E
1-1006 1-1160
SCHREK R
2- 25
SCHRENK W G
1-1952
SCHRODINGER E
2- 539
SCHROEDER C A
2-1206
SCHROEDER W A
1-1553
SCHUBERT G
1- 19 1- 33 1- 577 1- 735
SCHUBERT J
1-1054 1-1534 1-1542 1-1963 2- 407
2-1464 2-1757 2-1863
SCHULMAN J JR
2- 880
SCHULTZ H L
1- 771 1-1870
SCHULTZ M L
1-1370
SCHULTZ W W
2-1095
SCHULZ M D
2-1443 2-1846
SCHULZE A
1- 399
SCHUMAN R P
2-1739
SCHUMB W C
1-1255 2- 439
SCHWACHHEIM G
1-1403 2-1069 2-1563
SCHWARTZ C M
2- 370 2-1211
SCHWARTZ S
1- 608 1- 862 1-1227
SCHWARZL F
2-2070
SCHWEITZER G K
2- 433
SCHWEYCKART R
1-1285
SCHWINGER J
2- 271 2-1501 2-1653
SCHWOB C
2-1739
SCIUTI S
2- 440 2-1362
SCOTT J K
1- 606 1-1094 1-1095 1-1096 2- 46
2-1330 2-1512
SCOTT K G
1-1092 1-1389 2-1331
SCOTT R B
1- 213
SCOTT R K
2- 881
SCOTT R L
2- 748
SCOTT W T
2- 214 2- 959
SCUDI J V
1- 708
SEABORG G T
1- 542 1- 835 1-1065 1-1066 1-1316
1-1317 1-1638 1-1959 1-1960 1-1962
1-1967 2- 420 2- 620 2- 718 2-1144
2-1215 2-1479 2-1488 2-2031
SEARS G W
2- 133
SEASE J W
2- 429
SEATON N T
1-1126
SECOY C H
1- 176 1-1225 1-1970
SEEBOLD R E
2- 161
SEELMANN EGGEBERT W
1- 114 1- 430 2- 925 2-2092
SEGRE E
1- 643 1- 879 1-1028 1-1634 2- 844
2- 936 2- 947 2-1226 2-1991
SEIDL F G P
2-1882
SEIDLIN S M
1- 849 2- 664
SEIFERT R L
1-1251
SEIGLE L
2- 513
SEILER J A
2-1716 2-1739 2-1872 2-1873
SEIM H B
2-1752
SEITZ A
1-1044
SEITZ F
1- 891 1-1569 1-1863 2- 157 2- 222
2- 223 2- 224
SELIGER H H
1- 160
SELIGMAN A M
1-1736 1-1737 2-2228
SELLE W A
2-1298
SENFTLE F E
2- 518
SENGUPTA N D
1-1684
SERBER R
2-1225 2-2142
SEREN L
1-1431
SERGIO P
2-1123
SERIES G W
1-1501
SETALA K
1- 415 1-1027
SEVCHENKO A N
2-1745
SEWELL D C
1-1171 2- 777
SEYBOLD A U
2- 512
SEYMOUR A H
1-1087 2- 27 2-1888
SFORTUNATO T
2- 899 2-1759
SHAFER K
2-1798
SHAMOS M H
1- 76 2- 108
SHANLEY T J B
2-1772
SHAPIRO A H
1- 317
SHAPIRO E
2-1843 2-1870
SHAPIRO I S
2-1353
SHAPIRO J J
2-1643 2-1644
SHAPIRO M M
1- 991 2- 166 2- 168 2- 385
SHARBAUGH A H
2- 591 2-1724
SHARMA O P
1- 74
SHAW A E
1-1041 1-1714 1-1721 2-1983
SHCHERBAKOVA M N
2-1204
SHEA P C JR
1- 718
SHEAR M J
1-1736
SHEDLOVSKY L
1-1553
SHEEHAN J F
2-1322
SHEFNER D
1- 40
SHEFT I
1- 269 1-1833
SHEINBERG H
2- 314
SHELBERG W E
2-1761
SHEMIN D
1- 363 2- 332
SHEPHERD L R
1-1928 2- 284
SHEPHERD M
2- 927
SHEPLER P R
2-1082
SHEPPARD C W
1- 130 1-1212 2- 713 2-1018 2-1887
SHEPPERD I M
1-1922
SHERK P M
2-1688
SHERMAN D
2- 530
SHERMAN F G
2-1753
SHERR R
2-1141
SHERRIFF E V
2-1495
SHERSBY-HARVIE R B R
1-1448 2- 585
SHEVLIN T S
2-1758

SHIELDS R B
1- 54
SHILEN J
2-1793
SHONKA F R
2-1098
SHOOK C F
1-1536
SHORT H G
2- 312
SHORVON L M
2- 985
SHOSTAKOVICH N
1- 443 2-1205
SHOUPP W E
1- 819 2- 783 2-1608
SHPINEL V S
1- 786
SHREEVE W W
2-1459
SHREFFLER R G
1- 854 2- 285
SHULL C G
1- 311 1- 496 1- 617 1-1262 1-1636
2-2109 2-2128
SHULL F B
1-1701 2- 194
SIDHU S S
1- 793 1- 985 1-1859 2-1974
SIEGBAHN K
1- 5 1-1916 2-1268 2-2208
SIEGBAHN M
1-1918
SIEGEL B M
1- 966
SIEGEL S
1- 147 1- 177 1- 311 2-1086 2-2128
SIEGERT A J F
2- 809
SIEVERT R M
1- 637 2- 227
SIFFERT R
2- 396
SIGURGEIRSSON T
2-2097
SIKKEMA C P
2- 174
SILBER P
1-1791
SILBERSTEIN F
2-1514
SILBERSTEIN H E
1- 610
SILKS B
1-1620
SILL C W
1-1966
SILLEN L G
2-1040 2-1865 2-2063
SILVER S D
1-1390
SILVERSTONE H
1- 750
SIMANE C
2- 784
SIMARD G L
2- 466
SIMINOVITCH L
1- 62
SIMKIN B
2-2219
SIMMONS E L
1- 14 1- 15 1-1765 2- 401 2- 983
2-1176
SIMMONS O W
2-1583
SIMOES R L
1- 581
SIMON A
2-1567
SIMON M
1-1274
SIMON N
2- 396
SIMONS J H
1-1820 2- 473 2- 475 2-1788
SIMONSEN D H
2- 666
SIMPSON F B
1-1709
SIMPSON J A JR
1- 73 2- 187
SIMPSON K
1-1078
SIMPSON O C
1- 680 1-1251 1-1440 2-1809
SINCLAIR D
2-1575
SINCLAIR W K
2- 552
SINGER L
1- 713
SINGER S F
1-1402
SINGER T P
2-2079
SINGWI K S
1- 138
SIPE C R
2-1059 2-1126 2-1178
SISMAN O
2-1415
SITTE K
2-1425 2-2030
SIZOO G J
1- 128 1- 200 1-1596
SKAGGS L S
2-1847
SKANAVI G I
1-1808
SKANSE B N
1-1350 1-1740 1-1937 1-1957 2- 664
2-2232
SKIPPER H E
2-1458 2-1862
SKIRMONT E
1- 40
SKREBOWSKI J
2- 464
SLACK C M
1- 199
SLACK L
2- 192
SLATER J C
1- 818 2-1406 2-1935
SLATIS H
1- 5 1- 329 1-1372
SLATTERY J J
2- 237
SLEATOR W JR
1-1081 2- 377 2- 378 2-2068
SLEIGHT N R
2-1481 2-1669 2-1680 2-1683 2-1685
2-1686 2-1687 2-2060
SLOANE R H
1-1451
SLOBODIANSKY E
2- 714
SLOMAN H A
1-1845
SLOSS R
2-2111
SLYH J A
1-1773
SMALES A A
1- 589
SMART J S
2- 499
SMATKO J S
1-1621
SMEE J F
1-1309
SMIGELSKAS A
1- 122
SMIT J A
1- 567
SMITH A G
1-1453
SMITH A L
1- 192 1- 429
SMITH B C
2- 346
SMITH C
1-1222
SMITH C D
2- 212
SMITH C S
1- 484
SMITH D C
1-1056 1-1722 1-1723 2- 335
SMITH F
2- 477 2-1330 2-1512
SMITH F A
1- 753 2-1302
SMITH F M
1-1952
SMITH F W
2-1453
SMITH G G
1- 589
SMITH J E
1- 502
SMITH LLOYD
1-1017
SMITH LUTHER
1-1089 1-1245 2-1510
SMITH M L
1-1713
SMITH N M JR
2- 954
SMITH P B
1- 772
SMITH R E
1- 102 1- 572 1-1061
SMITH R V
2- 470 2- 571
SMITH S B
1-1964
SMITH S H JR
2-1763
SMITH T R
2- 855

SMITH W V
1-1453 1-1502 1-1729
SMITH W W
1- 903 2-2078
SMITHERS D W
2-2212
SMOLUCHOWSKI R
2- 160
SMYTH C P
2- 721
SNEDDON I N
1- 595 1- 809 2- 781 2-2105 2-2192
SNELL A H
1- 981 2- 167
SNIDER R S
1-1239 1-1763
SNOWDON S C
2-1094
SNYDER H
2- 964
SNYDER H S
2-1797
SNYDER L J
1-1254
SOBEL E
2- 404
SOKOLOV A
1- 529 1- 685 1-1686 1-1691 2-1431
SOKOLOV S P
1- 630
SOLEY M H
1- 847 2- 684 2-1278
SOLOMIN N V
1- 649
SOLOMON A K
1- 336 1- 504 1- 795 1-1233 2-1125
2-1460 2-1462
SOLOMON E
1-1211
SONDER R A
2- 921 2-1978
SOODAK H
1- 889
SOWDEN J C
2-2093
SPALDING C K
2- 808
SPANGLER H B
2- 857
SPARKS A
1- 606 1-1095
SPARROW A H
2- 35 2-1506
SPATZ W B
1-1857 2- 530
SPEAR F G
1- 20 2- 33 2-1279
SPEDDING F H
2-1043 2-1304 2-1749
SPEIDEL H
2-2129
SPEISER R
2- 519
SPENCE H S
1- 130
SPENCE J
1-1302
SPENCE N S
2- 768
SPENCE R
1- 120
SPENCE R W
2-2195
SPENCER H M
2- 250
SPENCER W P
1- 238
SPERDUTO A
2- 291 2- 661 2- 852
SPIEGEL A M
1- 425
SPIELBERG N
2- 593
SPIERS F W
2-1824
SPINDEL W
1- 113
SPINKS J W T
1- 233 1- 579 1- 862 1- 876 1- 901
2-2235
SPIRO L
1-1769
SPISHAKOFF N M
2-1281
SPITZER E J
1- 702 2- 863 2-1718
SPIVAK G V
1- 316
SPRAGUE G F
1- 420 2- 46 2- 898 2-1330 2-1512
2-1513
SPRINSON D B
1- 471 2-1733
STACH O H
2- 413
STAFFORD G H
2- 349
STAKHANOVA N S
1- 622
STAKMAN E C
2- 44
STANDIL S
2-1599
STANFORD C P
2- 166
STANG L G
2-1524
STANLEY C W
1- 692 1-1350 2-1520
STANLEY J P
2-1274
STANLEY M M
1- 249 1- 875 2- 337 2- 684 2-1025
STAPLETON G E
1- 893 1-1240
STARK F M
2- 643
STARKE K
1-1069
STARODUBTSEV S V
2-1820
STARR A T
1-1698
STASHKOV G
2-1555
STAUB H H
1-1866
STAUFFER H M
2-1076
STEADMAN L T
1- 611 1-1226 1-1539 2- 365 2-2113
STEARNER S P
1- 40 1- 40 2- 401 2- 983 2- 984
2-1176
STEELE J M
1-1061
STEELE R
2- 899 2-1759
STEFFEN R
1-1279 1-1477 1-1478 2-1689
STEGGERDA F R
2-1508
STEHNEY A F
1-1173
STEIN P R
2- 171
STEIN W H
1-1553 2- 427
STEINBERG E P
2-1679 2-1739 2-1864 2-1872 2-1873
2-1874
STEINBERG H
1- 714
STEINBERG H H
1-1411
STEINBERGER J
1-1003 2-2104
STEINMAURER R
1- 441
STELSON P H
1-1732
STEPHAN W J
1- 728
STEPHENS W E
1- 497
STEPHENSON M L
1- 377 1-1055
STEPHENSON R J
2-1098
STEPHENSON R M
2- 435
STEPHENSON T E
2- 186
STEPKA W
1-1354
STERETT C C
2-1035 2-1608
STERGIOPOULOS C G
2- 291
STERN C
1- 44 1- 138 1- 409 2-1055
STERN O
2-1367
STERNBERG R L
2- 167
STERNHEIMER R
1- 792
STETTEN D JR
1- 361 1- 872
STEVEN G
2- 494
STEVENS A J
1-1864
STEVENS C D
1- 714
STEVENS C M
1- 866 1- 867
STEVENS G W W
1- 339 1-1443
STEVENS W H
1-1321

STEVENSON D P
1-1534
STEVENSON F R
1-1368
STEWART D C
1-1938
STEWART H C
1-1734
STEWART P
1- 714
STITES J G
1-1716
STODDARD A E
2-2141
STOENNER R W
2-1517
STOHR J A
2-1315
STOKES A R
2- 122
STOKES R G
2-1786
STOKINGER H E
1-1094 1-1095 2- 46 2- 109 2- 898
2-1330 2-1512 2-1513
STOLARSKY E
2-1328
STONE R S
1- 555 1-1528 2- 306
STORAASLI J P
2-1891
STORER G S
1-1174
STOTLER H H
2-1219 2-1220
STOUGHTON R W
2- 430
STOUT P R
1-1184 1-1958 2- 347 2-1134
STOUT R E
2-2029
STOVALL E J
2- 948 2-1403 2-1619
STRACHAN C
2- 625
STRAIN H H
2- 904
STRAIT E N
2- 291
STRANDBERG M W P
2- 328 2- 746 2-1723 2-2047 2-2153
STRASHEIM A
1-1947
STRASSMANN F
1- 117
STRATTEN J A
1-1904
STRAUBE R L
1- 40 1-1764 2-1026 2-1755
STRAUSER W A
1-1632
STRAUSS S
1- 960
STREET J C
1- 629
STREET K JR
2- 420 2- 718
STROHL A
1- 342 1- 378
STROKE F G
1-1142
STROM L
2-2229
STRONG J D
1-1640
STROUD W G
1-1400
STRYKER C R
2- 466
STUDIER M H
1-1189 1-1316 2- 957 2-1036 2-2059
2-2194
STUECKLBERG E C G
1- 653
STUKENBROEKER G
2- 891
STURKIE P D
2-1058
SUE P
1- 67 1- 925 1-1511
SUEDIN M
2-1313
SUGARMAN N
1- 191 2-1000 2-1518 2-1527 2-1534
2-1657 2-1658 2-1659 2-1660 2-1664
2-1665 2-1668 2-1676 2-1684 2-1701
2-1712 2-1739 2-1837 2-1864 2-1868
2-1952 2-1964 2-1989
SUKHOV L V
2-1424 2-1898 2-1911
SULLIVAN G R
2- 934
SULLIVAN J C
2-1741
SULLIVAN W H
1- 190 2-1669 2-1672 2-1683 2-1685
2-1686 2-1687 2-1837
SUN K H
2- 783
SURUGUE J
1- 279
SUSANO C D
1-1745
SUSSEX A G
2- 88
SUTTON H C
2-1576
SUTTON J
2- 356
SUTTON J B
2-1586
SUTTON R W
2-1044
SUWA S
2- 326
SVARTHOLM N
1- 642 1-1882 1-1883
SVERDLOV Z M
2-1745
SVIHLA G
1-1763
SWAN J B
2- 170
SWANN C P
1- 271 2- 573 2-2153
SWANN W F G
1- 684 1-1802
SWANSON C P
1- 236
SWANSON M
1- 40
SWARTOUT J A
1- 976 1-1162 2-1287 2-1290
SWEARINGEN J S
2-1433
SWEENEY D
2-1990
SWEET B
1-1736
SWEETON F H
2-1692
SWIFT M N
1- 40 1-1764 2-1175 2-1754 2-1755
SWINNERTON C
2- 593
SYDORIAK S G
2- 247 2-1996
SYKORA V
1-1968
SYLVESTER G E
2- 409
SYMONDS N
1- 806 2- 598
SYRKIN Y K
1- 65
SZALAY A
1-1630 1-1894 2-1382
SZELENYI T Z
2-1980
SZILARD L
1- 140
SZWARC M
1-1409

TABERN D L
1- 708
TABERSHAW I R
2-1371
TAFT E
2- 253
TAGLIAFERRI G
2-1906
TAHMISIAN T N
1- 40
TALBOT J M
1-1695 1-1956
TALLMADGE F K
2- 893 2-1045 2-1099 2-1634
TAMM I E
1-1689
TANBERG J
1-1916
TANGEN R
1- 295 1-1916
TANNENBAUM A
1- 750
TANSLEY K
2- 33
TAPSELL H J
1- 270
TARNOPOL L
1-1811
TARRANT P
2- 472
TASCHEK R F
1- 979 1-1015 1-1148 1-1161 1-1168
1-1635 1-1646 1-1657 2- 204 2- 975
2-1037 2-1497 2-1615 2-1616 2-1975
2-2151 2-2152
TATE R E
2-1183
TAUROG A
2-1157

TAUZIN P
2- 636
TAVARES A
1- 423
TAYLOR A
2- 123
TAYLOR B
1- 26
TAYLOR F H L
2- 673
TAYLOR H C
1-1802
TAYLOR J L
2- 903
TAYLOR L S
1- 217 2-1307
TAYLOR T B
2-1225 2-2142
TAYLOR T I
1- 113 1-1280 1-1585 1-1842 2- 504
2- 525 2-1065 2-1807
TEEGAN J A
1-1082
TEETER C E JR
1-1775 2- 50 2- 51
TEILLAC J
2- 997 2-1642 2-2203
TEITEL R J
1-1140
TELEGDI V L
1-1308
TELLER E
1-1891 2- 977 2-1564
TELLEZ-PLASENCIA H
2- 806
TEMPLE R B
2- 131 2- 135 2- 474
TEMPLETON C C
1- 258
TEMPLETON D H
1-1892 2-1077 2-1336 2-1402 2-2028
TENNEY G H
1-1328
TER HAAR D
1- 514 1-1080 2-1376
TERLETSKII Y P
2- 448
TER-POGOSSIAN M
1-1325 2-2023 2-2202
TERRY R
1- 367
TESSMER C
2-1656
TETENBAUM S J
2- 754
TEUCHER M
2-1804
TEVEBAUGH A D
1-1369
THAMER B J
1- 96 1- 325
THELLUNG A
1-1886
THIBAUD J
2- 972
THIERS R
1-1349
THODE H G
1- 63 1-1283 1-1595 2-1271
THOMAS A
2- 198
THOMAS E
2- 235
THOMAS H A
1- 783 2-1510 2-1979
THOMAS H C
1-1553 1-1871
THOMAS J G N
2-1748
THOMAS R L
2- 314
THOMASON P F
2- 353
THOMPSON A S
2- 22 2-1409
THOMPSON E C
1- 903
THOMPSON H E
1- 611
THOMPSON H W
2- 131 2- 135 2- 474
THOMPSON M V
1- 904
THOMPSON P E
1-1057
THOMPSON R C
1-1014 2-1342 2-1614
THOMPSON R W
1- 930
THOMPSON S G
2-1477 2-1480
THOMSEN E G
1-1846
THOMSON D L
1- 582
THOMSON G
1- 178
THONEMANN P C
2- 509
THORN R J
1- 680
THORNDIKE A M
2-1766
THORNTON R L
1- 728 1-1171
THREEFOOT S A
2-1025 2-1030 2-1468
THURMOND C D
1-1364 1-1365 1-1366
TICHO H K
1-1001 2- 90
TIETZ L
2-1338
TIFFANY O L
2-1568
TIKHONOVA L
1-1582
TIMMA D L
2-1717
TING YU
2- 593
TINKER J F
2-1764
TINKLEPAUGH J
2-1515
TINLOT J
1-1800 2- 455 2-1188 2-1190
TIOMNO J
2-2002 2-2095 2-2099
TIRATSOO E N
2- 246
TITOV E M
1- 55
TITTLE C W
1-1864
TOBEY A R
2-1775
TOBIAS C A
1- 419 1- 419 2-2082
TOBIN R A
2- 233
TOERGE W F
2- 158
TOKOS J V
1-1254
TOLANSKY S
1- 136 1- 799 2-2246
TOLBERT B M
1- 923 1- 947 2- 340 2-1344 2-1761
TOLLEFSON C I
1- 862
TOLMACHEV Y M
2-2062
TOMBOULIAN D H
2- 870
TOMKINS F S
2-1301
TOMPKINS E R
1- 619 2- 69 2- 424 2-1523 2-1530
TOMPKINS P C
1- 454 2-1284 2-1288 2-1520 2-1530
2-1535
TONGIORGI-COCCONI V
2- 538 2-1561 2-1566 2-1901 2-1908
TOPPER Y J
2-1462
TOUSCHEK B F
1- 595 1- 809 2-2105
TOWNE E B
2- 126
TOWNES C H
1-1155 2- 327 2-1213
TOWNSEND J
1- 691 1-1030 1-1490 2- 194
TRABACCHI G C
2- 773
TRACY E M
2-1005
TRALLI N
2-1270
TRAUM J
1-1352
TRAUT H F
2-2034
TRAUTMAN W V JR
2-1152
TRAYNARD P
2- 871
TREACY P B
1- 997 1-1748
TREAT J E
1-1567
TRICE J B
1-1775 2- 50 2- 51
TRILLAT J J
1-1490
TRISCHKA J W
1-1504
TROTT J C JR
2- 47

TROY W C
2- 494
TRUCHAN A
1-1589
TRUMP J G
1- 36 1- 743 2- 794
TRUMPY B
1-1480
TRUNNELL J B
1-1935 2- 564
TSANDER A F
2- 680
TSIEN H S
1-1527
TSIEN S T
1- 169 1- 565
TSIRELSON E A
1- 220 1-1520
TSUZUKI M
1-1249
TSYGANOVA P A
2- 654
TSYNKINA V M
1- 647
TSYRLIN V
1-1563 2-1557
TUCK J L
1-1900
TUCKER W
1-1224
TULLIS J L
2- 36 2-1656
TULSA PUBLIC LIBRARY
1- 679
TUNNICLIFF P R
1- 682
TURGEL R S
2-1607
TURKEL S H
1-1431
TURKEVICH A
2-1477 2-1964 2-1968 2-2241 2-2242
TURKEVICH J
1-1211 2- 907 2-1065
TURNBULL D
1- 486 1- 967 2- 513
TURNER A A
2- 413
TURNER C M
2-2154 2-2196
TURNER R C
2- 352
TUTHILL S M
1- 913
TWISS R Q
2-1095 2-1407
TWYMAN F
1- 432
TYABLIKOV S V
1-1579
TYLER P M
1-1623
TYLER S
1- 40
TYREE E B
1- 40 1-1764 2-1755
TZOU K H
2- 274

UDENFRIEND S
1- 434
UDY M C
2-1221 2-1552
UGAROV V A
2- 236
UHLIG H H
2- 87
UHLMANN E M
2-1847
ULAM S
1- 823 1- 824 2-1622
ULLRICH T W
2-1656
ULRICH A
2- 347
UNCAPHER R P
2- 26
UNDERWOOD E E
2-1150
UNDERWOOD G R
2- 399
UNDERWOOD N
1-1592 1-1600 1-1871
U N ATOMIC ENERGY COMM
1-1296 1-1761 1-1795
U S ARMY MANHATTAN ENGINEER DISTRICT
2- 18
U S ATOMIC ENERGY COMMISSION
1- 457 1- 890 2-1253
U S BUREAU OF MINES
1-1620 1-1526 1-1650
U S BUREAU OF STANDARDS
1- 500 1-1704 1-1725
U S DEPARTMENT OF STATE
2- 85
U S FAR EAST ARMY COMMAND
1-1943
U S LIBRARY OF CONGRESS
1- 387
U S NAVAL MINE DEPOT
1-1750
U S NAVAL RESEARCH LAB
1-1722 1-1723
U S NAVY DEPARTMENT BUMED
2-1794
U S OFFICE OF MILITARY GOVERNMENT
1-1535 1-1544 1-1621 1-1523 1-1845
1-1899
U S OFFICE OF NAVAL RESEARCH
1-1629
U S PUBLIC HEALTH SERVICE
2- 457
U S SPECIAL WEAPONS PROJECT
1-1756
U S STRATEGIC BOMBING SURVEY
2- 19 2- 136
UNSOLD A
1-1376 1-1455 2-1907
UNTERBERGER R R
1-1729
UPHOFF D E
2-1055
URBAN P
1- 515 2-2070
UREY H C
2- 150 2- 257
URQUHART K J
2-1934
URIE R W
2- 865
URRY W D
2- 482 2-1920
USSING H H
2-2227

VAISENBERG A
1-1562
VALADARES M
2- 630
VALATIN J G
1-1678
VALENTINE W N
1- 24 1- 418 1-1241 2-1320 2-1689
VALLARTA M S
2- 451 2-1776
VALLEE B L
2- 342
VALLERY-RADOT P
2- 861
VALLEY G E
1-1130 2- 912 2-1758
VAN ALLEN J A
2- 732
VAN BERGEN F
2- 602
VAN CLEAVE C D
2-2081
VAND V
1-1516
VAN DE GRAAFF R J
1- 743 2- 687 2- 794 2- 852
VANDER HAAR R W
2-2090
VAN DYKE H B
1- 708
VAN ECK-VERMANDE G J
2-1056
VAN HOESEN D
2- 480
VAN MIDDLESWORTH L
2-1326
VAN NAME F W JR
2- 847
VAN PATTER D
1- 168
VANSELOW W
2-2174
VAN STEKELENBURG L H M
1- 567
VANSTRUM P R
1- 81
VAN VLECK J H
1-1809
VANVOORHEES S N
2-1993
VAN VOORHIS S N
1-1382
VAN WINKLE Q
2- 987 2-1514
VASLOW F
2-1031
VAYNRIB Y A
1- 316
VAZE G H
1- 69
VEALL N
1- 639 2-2054
VEKSLER V
1- 72

VELASCO F
2- 719
VELASQUEZ T
2- 45
VENABLE W M
1- 256
VENKATESWARLU P
1-1234 2- 782
VERDE M
1- 916 2- 107
VERMAESEN L
1- 145
VERMEULEN T
1-1909
VERNOV S N
1- 630 1- 631 2-1349 2-1354 2-1366
2-1914
VESTERMARK T
2- 154
VIAL J
2- 630
VICTOREEN J A
1-1374 2-1252 2-1932
VIENS G E
2- 764
VIER D T
1-1370
VILLAR G E
2- 367
VILLARS F
1-1886
VILLEE C A
2- 714 2-1856
VINEYARD G H
1-1754
VITALE J A
2- 912
VLADIMIRSKI V V
1-1560
VLASOV N A
1- 220 1-1520
VOEGTLIN C
1-1768
VOIGT A F
1- 96 1- 134 1- 325 2-1461 2-1895
2-2060
VOISIN A
2- 745
VOLKENSHTEIN F F
1- 314
VOLKOFF G
1-1379
VOLKOFF G M
2-2189
VOLKOVA V Y
1- 707
VOLLERNER N F
1- 97
VON EULER H
1- 245 1- 863
VON FRIESON S
1-1916
VON HAHN O
SEE HAHN O V
VONSOVSKY S
2- 818
VON UBISCH H
1- 494 1-1295 2-2066
VON WEIZSACKER C F
2-2073
VORISEK J
1-1968
VOSBURGH G J
1- 384 1- 917
VOSKUIL W H
2- 769
VOSKUYL R J
1- 264
VOTER R C
2-2090
VOTRUBA V
1- 319
VREELAND F K
1-1726
VULCANI B E
1- 394

WABER J T
1- 927
WADA I
2- 423
WADA W W
2-1830
WADDEL R C
2- 233
WADDELL J S
1- 975 2-2137
WADEY W G
2- 621
WAFFLER M
1-1483 2- 295
WAGGAMAN W H
1- 280
WAGNER C D
1-1554
WAHL A C
1- 879
WAHL I
2- 44
WAHLIN H B
1-1347
WAINWRIGHT W W
2-1002
WAKEFIELD E H
2- 221
WALCHER W
1- 476 1- 477
WALDMAN B
2-1269 2-1828
WALEN R
2- 843
WALKER D
2- 287
WALKER L A
2-2084
WALKER R L
1- 838 1-1893
WALKINSHAW W
1-1447 2- 585
WALLACE J
1- 808
WALLACE J R
1- 141
WALLACE J W
1-1637 2-1390
WALLACE P R
1- 135 2-1602
WALLER I
1-1916
WALLHAUSEN C W
2-1381
WALLING C
1- 677
WALLMARK T
2- 156
WALSH K A
1- 979 2-2137
WALTNER A
1-1319 1-1320 2-1842
WAMBACHER H
1- 627
WANG K C
2- 106
WANTA R C
2-2113
WARD A G
1- 103
WARD A H
2- 287
WARD E
1-1330
WARD J J
2- 928
WARD R
2-1735
WARD R O
2-1146
WAREKOIS E P
2- 124
WARF J C
1-1367 2- 355 2-1043 2-1304 2-1448
2-1492 2-1749
WARMOLTZ N
1- 104 2-1104
WARREN S
1- 410 1- 857 2- 659
WARREN S L
2- 257 2-1295
WARSHAW S D
2-1500
WARTMAN F S
2-1590
WASHBURN H W
1- 462
WASHINGTON UNIVERSITY
2- 597
WASSENAAR T
2- 134
WASSERMAN L R
1-1312
WATAGHIN A
1-1403 2-1069 2-1563
WATAGHIN G
1-1618 2-1070 2-1563 2-1955
WATANABE S
2- 608
WATERMAN G W
2-1005
WATKINS D A
2- 965 2-1823 2-1924
WATSON B B
1- 6 2-2207
WATSON H H H
2-2158
WATSON K M
1-1687 2- 269 2-2158
WATSON W E
2- 435
WATSON W H
1-1862

WATSON W W
1- 478
WATT C S
1-1451
WATT G W
2- 434
WATTENBERG A
1-1187
WATTERS J I
2-1336
WATTS R J
2-2118
WAX N
2-1630
WAY K
1- 194 1- 652 1-1165 1-1638 2-1383
WEATHERWAX J L
2-1058
WEAVER B S
1-1550 2- 148
WEBB J H
1-1152 1-1302
WEBER A H
1- 137 2-1088
WEBER C E
1-1591
WEBER J JR
1-1826
WEBER P M
2-1211
WEBER R P
2-1508
WEBSTER H C
1- 340
WECHSLER M T
1-1360 2-2110
WEGMULLER F
1- 842
WEIDLER R C
2- 593
WEIGL J W
1- 224 2- 412 2-1182
WEIGLE J
1-1261 2- 408
WEIL A S
1-1348
WEINBAUM S
1-1851 2-1083
WEINBERG A M
1- 132
WEINSTEIN M
2- 610
WEINSTOCK B
1- 215 1- 922 2-1997
WEISS G
1- 57
WEISS H G
1- 89 1- 993
WEISS M T
2-2163
WEISS P R
2- 587
WEISSBOURD B
2-1413
WEISSENBERG A
2-1201 2-1203
WEISSKOPF V F
2-2012
WEISSMAN I A
2-1817
WEISZ P B
2- 561 2-1645
WELANDER A D
1-1087 2- 27 2-1888
WELCH A J E
1- 123
WELKER H
2- 762
WELLBORN W W
1-1260
WELTON T A
1-1921
WENT J J
2-1621
WENTINK T JR
2- 329 2-1723 2-2047
WENTZEL G
1-1920
WERNER G K
1- 458
WERNER L B
1- 878
WERNER S C
1-1329 1-1934
WERNER W C
2- 664
WERNICK J H
2- 761
WESOLOWSKI J
2- 218
WEST D
1- 882
WESTBROOK J A
2- 84
WESTCOTT C H
2- 984
WESTERN F
1- 945 2- 989
WESTINGHOUSE RESEARCH LAB
1-1404 1-1645
WESTOO R
2- 205
WESTRUM E F JR
1-1218 2-1333 2-1373 2-1483 2-1484
2-1485 2-1486 2-1487 2-1533
WEXLER S
1-1858 2- 570 2-1234
WEYMOUTH P P
1- 419
WHALING W
2-1392 2-1618
WHALLEY W B
2- 128 2- 129 2- 130
WHEELER J A
2- 257 2-1772 2-2002 2-2085 2-2089
2-2106
WHIDDINGTON R
1- 599
WHIPPLE G H
1- 367
WHITE A E
1-1847
WHITE G K
2-2170
WHITE J R
1-1840
WHITE L JR
2-1458
WHITE M G
2-1141
WHITE W
2- 714
WHITEHEAD W D JR
1- 884 2-2071
WHITELEY A
2- 714
WHITING A R
2- 704
WHITMORE F E
2-1647
WHITTAKER J L
2- 817
WHITTEMORE O J JR
1- 911 1- 912 2- 417
WIBERG E
2- 78
WICHTERMAN R
1- 232
WICK G C
2-1605
WICKERT K
1- 928
WIDEROE R
1- 531
WIEBE W
1- 674
WIEDENBECK M L
1- 90 1-1043 2- 188 2-1140 2-2167
WIEGAND C E
1- 769 1-1028 1-1634 2- 197 2- 844
2-1226
WIELAND K
2-1017
WIGGINS E J
1-1383
WIGHTMAN A
2- 605
WIGNER E P
1- 194 1-1166 1-1757 2- 257 2-1972
WIKEN T
2-1155
WILCOX H A
2- 383
WILDE W
1- 384
WILES A P
2-1695
WILHELM H A
1- 358
WILKENSON W
2- 189
WILKINS J E JR
1-1166
WILKINS J J
2- 785
WILKINSON C A
1- 814
WILKINSON D H
2- 196 2- 536 2- 540
WILKINSON G
1-1277 2- 538 2- 992 2-1014 2-1438
2-1449 2-1691 2-2027 2-2232
WILKINSON K J R
1-1898
WILKINSON R
2-1673
WILKINSON R G
1- 837 2- 939
WILLARD J E
2- 570 2- 804 2-1272 2-2058
WILLEY R A
1-1327

WILLIAMS A I
1- 335
WILLIAMS C
1-1146 2- 393 2-1053
WILLIAMS C R
1- 49 1-1524
WILLIAMS D
2- 565 2- 593 2- 778 2-1231
WILLIAMS E
2- 575
WILLIAMS E F
1-1345
WILLIAMS F C
2-1165
WILLIAMS F V
2-1919
WILLIAMS I G
2- 308
WILLIAMS J H
1-1081 2- 377 2- 378 2- 803 2-1045
2-1634 2-1803 2-2068
WILLIAMS M M D
2- 646
WILLIAMS R JR
2- 57
WILLIAMS R M
1- 522
WILLIAMS R R JR
1- 158 2- 432 2- 570
WILLIAMS R W
1-1804 2- 459
WILLIAMS S C
1-1943
WILLIAMSON M
1- 534
WILLOUGHBY A B
2- 208 2-1419
WILLS J H
2- 410
WILMAN H
1-1613
WILSON A S
1- 211 1- 632 1-1369 1-1369 1-1965
WILSON C W
1- 83
WILSON H A
1-1153 1-1154 2-1118
WILSON H B
2- 409
WILSON I E
1-1509
WILSON I L
2-1601
WILSON M J
2-2174
WILSON M L
1- 710 1- 711 1-1057
WILSON R
1-1012 2-1395
WILSON S A
1- 421 2- 750
WILSON W
1-1122
WILSON W A
1-1820
WINAND L
2- 966
WINCHESTER C F
2- 41
WINCKLER J R
1-1400
WING G M
2-1802
WINGO W J
2-2052
WINN E B
1-1281
WINNICK T
1-1214 1-1215 2-2230 2-2236
WINOGRADOFF N
2- 969
WINSBERG L
1- 146 1- 985 1-1859 2- 647 2-1706
2-1707 2-1739 2-1872 2-1873 2-1874
2-1969 2-1974
WINSCHE W E
2- 393 2-1053
WINSLOW G H
1- 680
WINZLER R J
1- 712
WISCONSIN UNIVERSITY
1- 370
WISEMAN B K
1- 353 1- 558
WISH L
2-1529 2-1635
WITHROW R
1- 40
WITNER E E
1-1561
WITTEBORT J I
1- 951
WITTEN B
2- 438
WITTY R
2-1578 2-1867
WOHLFARTH E P
2-1117
WOISLOWSKI S
1- 759
WOLF B S
2- 839 2-2113
WOLF M J
1-1252
WOLFE R B
1- 670 2-1305
WOLFF J
1- 385
WOLKEN J J
2- 338
WOLLAN E O
1- 496 1- 617 1-1262 1-1636 1-1640
2-2109
WOLMAN A
2-2116
WOLTER F J
2-1481
WOLTZ P J H
2-1208
WOO P L
2- 923
WOOD H G
2-1459
WOOD J K
1- 936
WOOD J L
1- 866 1- 867 1-1052
WOOD N F
1-1601
WOOD P
2-1578
WOOD W A
1- 270
WOODBURY L M
2-1755
WOODCOCK R F
2-2123
WOODIN A M
2-2231
WOODWARD L L
1-1482 1-1705 2- 220 2- 298 2- 299
WOODYARD J R
1- 306 1- 821 2-1405
WOOLF W E
1-1592
WOOLLEY R V D R
2- 390
WOOSTER W A
1-1575
WOOTEN L A
1- 926
WORDEN A N
1- 253
WORMALL A
1- 395
WORNER H W
1-1428
WORRELL F T
2-1933 2-1952
WORTH D C
2-1801
WOUTERS L F
1- 91 1- 306 1- 992 1- 995
WRIGHT C S
1- 353 1- 558
WRIGHT D A
1-1405
WRIGHT G M
2-2008
WRIGHT H P
2-1297
WRIGHT I F
2-1815
WRIGHT J M
2-1481 2-2060
WRIGHT S C
1- 671
WRIGHTSON F M
1-1211
WROUGHTON D M
1-1393
WU C S
1- 92 1- 93 1- 94 1-1181 1-1475
2- 74 2- 282 2- 517 2- 618 2- 619
2-1131 2-1437 2-2003 2-2021
WYATT D G
2-1110
WYCKOFF H O
2- 6 2- 319 2- 490
WYLIE A W
2- 865
WYLY L D
2-1620

YADAV H N
2- 534
YAEGER R G
1- 612

YAFFE L
1- 151 1- 473 1-1278 1-1322 1-1873
2- 627 2-1599
YALE UNIVERSITY SLOANE PHYSICS LAB
1-1700
YALOW A A
1- 849
YAMAGUCHI S
1- 448
YAMAKAWA K A
2-2097
YANG C N
1-1375 2-1554
YANKWICH P E
1- 224 1- 540 1-1213 2- 340 2- 920
YATES J G
2-2122
YATSIMIRSKII K B
2-1849
YAW K E
2- 900
YEARIAN M J
1- 915
YEE H
1- 711
YERKES L A
1- 788
YNTEMA J L
1- 200
YOHALEM S B
1-1512
YORK H
1- 617 1-1634 2-1226
YOUNG E G
1-1112
YOUNG H A
1-1264
YOUNG H S
1-1744
YOUNG J A
2- 570
YU F C
1- 538
YU P N
1-1969
YU S H
2-1785
YUAN L C L
1- 983
YUDOWITCH K L
2-1170
YUN-KUEIHSU
2- 283

ZABEL C W
2-1953
ZACHARIASEN W H
1- 446 1- 447 1- 584 1- 585 1- 587
1- 588 1- 590 1- 721 1- 722 1- 723
1- 762 1- 763 1-1067 1-1072
ZAFFARANO D J
1- 327 1- 693 1-1318
ZAJAC B
2- 292
ZAMECNIK P C
1- 377 1-1055
ZAR J L
1- 626
ZAREM A M
2- 210
ZATSEPIN G T
1-1564 2-1197 2-1360
ZECHMEISTER L
1-1553
ZELDES H
2-1667
ZENER C
1-1263
ZERAHN K
1- 112
ZERFOSS S
2-1112 2-1786
ZHDANOV B
1-1582
ZHDANOV G B
2-1071
ZIEGLER W T
1- 855
ZILVERSMIT D
1- 573
ZIMMER K G
1-1653 2- 34
ZIMMERMAN J R
2- 565 2- 593 2- 778 2-1231
ZIRKLE R E
1-1240
ZOLLERS S M
2-2111
ZUBER K
1-1877
ZUMWALT L R
2- 663
ZUNTI W
1-1308 1-1477
ZWANIKKEN G C J
2-1168
ZWIEBEL N
2- 907 2-1065

CUMULATIVE SUBJECT INDEX

ABSORPTION OF RADIATION
SEE SUBHEADS ABSORPTION UNDER SPECIFIC PARTICULATE AND WAVE RADIATION AND RADIATION ABSORPTION BY UNDER SPECIFIC ELEMENTS
ACCELERATORS PARTICLE
SEE ALSO ELECTROSTATIC GENERATORS AND MAGNETS
-- AUXILIARY EQUIPMENT FOR
1- 673 1-1660 1-1661 2- 242 2- 244
2- 575 2- 578 2- 579 2- 581 2- 752
2- 784 2-1095 2-1236 2-1406 2-1621
-- BETASYNCHROTRON
2-1239
-- BETATRON
1- 175 1- 531 1- 675 1-1018 1-1169
1-1309 1-1665 1-1697 1-1898 1-1901
2- 245 2- 951 2-1815 2-1992 2-2156
-- BEVATRONS
1-1017
-- BIBLIOGRAPHY
2- 235
-- COCKCROFT WALTON
1-1169 2- 592
-- CYCLOTRON
1- 306 1- 308 1- 494 1- 531 1- 673
1- 674 1- 676 1- 817 1-1169 1-1171
1-1172 1-1432 1-1660 1-1661 1-1662
1-1945 2- 89 2- 237 2- 239 2- 241
2- 244 2- 575 2- 579 2- 581 2- 583
2- 597 2- 784 2-1054 2-1095 2-1235
2-1621 2-1993
-- GENERAL AND HISTORICAL
1- 511 1- 821 1- 890 1-1170 1-1378
1-1433 1-1440 1-1717 2- 236 2- 580
2- 797 2- 798
-- GEOGRAPHIC LOCATIONS
1-1449 2- 235
-- LINEAR
1- 307 1- 532 1- 818 1- 820 1-1448
1-1447 1-1448 1-1644 1-1904 1-1905
1-1915 2- 240 2- 255 2- 585 2-1236
2-1238 2-1405 2-1406 2-2156
-- PARTICLE COUNTING WITH
2- 584 2-1095
-- RADIATIONS IN
2- 238 2- 831
-- RESONANCE EFFECTS AND CONTROL
2- 239 2- 950
-- SHIELDING FOR
1- 817 1-1017 1-1660 2- 244
-- SPIRAL
2-1238
-- SYNCHROTRON
1- 308 1- 531 1- 597 1-1019 1-1663
1-1664 1-1900 1-1901 1-1945 2- 242
2- 243 2- 576 2- 577 2- 785 2- 950
2- 951 2-1098 2-1237 2-1407 2-2156
-- VAN DE GRAAFF
1- 174 1- 819 1-1169 1-1945 2-1240
2-2154
ACENAPHTHENE
-- RADIATION DETECTION USES
1-1646 2- 975
ACETAMIDE CYANO-
SEE CYANOACETAMIDE
ACETATE AMYL
-- NEUTRON RETARDATION BY
1- 291
ACETATE ETHYL
-- NEUTRON RETARDATION BY
1- 291
ACETATE METHYL
-- NEUTRON RETARDATION BY
1- 291
ACETATE VINYL
-- TRANSFER CONSTANT OF BUTYL MERCAPTAN I
1- 877
ACETATES FLUORO-
-- DETERMINATION OF FLUORINE IN
1-1784
ACETIC ACID
-- METABOLISM OF
1- 394 1- 396 2- 883 2-1462 2-1732
2-2236
-- RETARDATION OF NEUTRONS BY
1- 291
-- SYNTHESIS OF LABELED
1- 259 1-1213
ACETIC ACID-3-INDOLE
-- SYNTHESIS OF LABELED
2-1762
ACETONE
-- RETARDATION OF NEUTRONS BY
1- 291
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
ACETONE THENOYLTRIFLUORO-
-- EXTRACTION PROCESSES USING
1-1781
-- SOLUBILITY IN BENZENE
2-1995
-- SOLUBILITY IN WATER
2-1995
ACETOPHENONE DIBROMO-
-- MOLECULAR REARRANGEMENT OF
1- 373
ACETYLAMINOFLUORENE
SEE FLUORENE 2-ACETYLAMINO-
ACETYLENE
-- SYNTHESIS OF LABELED
1- 259
ACETYLENEDICARBOXYLIC ACID
-- SYNTHESIS OF LABELED
2-1761
ACRIDINE
-- ENERGY LEVELS IN CRYSTALS
2-1453
ACRYLATE METHYL
-- TRANSFER CONSTANT OF BUTYL MERCAPTAN I
1- 877
ACTINIDE ELEMENTS
SEE ELEMENTS ACTINIDE
ACTINIUM
-- METABOLISM AND TOXICOLOGY
2-1181
-- PROPERTIES CHEMICAL
2-1332
-- PROPERTIES NUCLEAR
2- 989
-- SEPARATION METHODS
2-1332 2-1447
-- SPECTRA
1-1221
-- STRUCTURE ATOMIC
2-1479
ACTINIUM ISOTOPES
-- TRACER APPLICATIONS
2-1332 2-1447
ACTINIUM AC-225
-- PROPERTIES NUCLEAR
1-1316
ACTINIUM AC-227
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
-- PROPERTIES NUCLEAR
1-1182
ACTINIUM AC-228
-- PROPERTIES NUCLEAR
2-2203
ADENINE
-- ANALYSIS
2-2086
-- SYNTHESIS OF LABELED
2-1764
ADENOSINETRIPHOSPHATE
-- FUNCTIONS IN METABOLISM
1- 374 2- 49
ADRENAL CORTICAL HORMONE
SEE DESOXYCORTICOSTERONE
ADRENAL GLAND
-- EFFECTS OF RADIATION ON
1- 40 1- 739 1-1532 1-1764 2-2077
AEROSOL PARTICLES
-- COLLECTIONS OF
1- 990
-- RESPIRATORY TRACT RETENTION
1-1509
AGRICULTURE
SEE PLANTS POLLEN ROOTS SEEDS SOIL AND TRACER APPLICATIONS
AIR
-- ANALYSIS FOR FLUORINE IN
1- 753
-- ANALYSIS FOR LEAD IN
1- 682 2- 59
-- CONTAMINATION RADIOACTIVE
1- 638 1- 682 1- 990 1-1597 2-1372
-- IONIZATION OF
1-1667 1-1668 1-1671 2- 894 2-1210
2-2161

AIR
-- RADIATION ABSORPTION BY
1- 217 1- 813 1-1293 1-1338 1-1566
1-1799 2- 740 2-1155 2-1306 2-1307
-- RADIATION STOPPING BY
1- 597 1-1865
-- STOPPING OF FISSION PRODUCTS BY
1-1632
AIR IONIZED
-- THERAPEUTIC USES
1-1535
AIR SAMPLING
2-2114
AIRCRAFT
-- NUCLEAR POWER FOR
1- 729 1- 888 1-1084 1-1085 1-1377
2- 22 2- 897 2-1173
AIRCRAFT ENGINES
-- ALLOYS FOR
1-1847
-- CERAMIC COATINGS FOR
1-1528
ALANINE
-- ANALYSIS
1-1552
-- METABOLISM OF
1- 377 1-1055 1-1214 1-1354
ALANINE PHENYL-
SEE PHENYLALANINE
ALCOHOL
SEE AMYL ALCOHOL BUTYL ALCOHOL
ETHYL ALCOHOL HEXANOL METHYL
ALCOHOL AND PROPYL ALCOHOL
ALGAE
SEE ALSO FUNGI MOLDS AND PLANTS
-- METABOLISM AND TOXICOLOGY STUDIES
1- 748 1-1354 2- 665 2-1293 2-1294
ALKYL PHOSPHORIC ACIDS
SEE PHOSPHORIC ACIDS ALKYL
ALLOYS
SEE ALSO METALLOGRAPHY METALLURGY
METALS PHASE SYSTEMS AND SPECIFIC
ALLOYS SUCH AS URANIUM ALLOYS
-- ANALYSIS
1- 432 1- 645 1-1503
-- CORROSION
1-1772 1-1798 2- 87
-- EVAPORATION OF
1- 956
-- GRINDING OF
1-1285
-- HIGH TEMPERATURE USES
1- 481 1- 648 1- 964
-- PRODUCTION
1- 465 1- 648 1-1851 2-1063 2-2130
-- PROPERTIES
1- 648 2-1587
-- STRUCTURE CRYSTAL
1- 282 2- 587
ALPHA PARTICLES
SEE ALSO NUCLEAR PARTICLES AND
RADIATION
-- ABSORPTION
2- 373 2- 383 2-1171 2-2072
-- BINDING ENERGIES
1- 152 1- 567
-- BIOLOGICAL EFFECTS
1- 17 1- 18 1- 242 1- 894 1- 899
1-1241 1-1242 2- 33 2-1319
-- CHEMICAL EFFECTS
1-1037 1-1488
-- DETECTION AND MEASUREMENT
1- 93 1- 94 1- 148 1- 149 1- 461
1- 490 1- 505 1- 779 1- 946 1-1118
1-1127 1-1149 1-1152 1-1430 1-1441
1-1548 1-1550 1-1553 2- 182 2- 185
2- 187 2- 205 2- 209 2- 213 2- 547
2- 548 2- 560 2- 609 2- 811 2- 813
2- 857 2- 958 2- 970 2-1099 2-1102
2-1103 2-1107 2-1111 2-1244 2-1247
2-1250 2-1255 2-1333 2-1413 2-1420
2-1422 2-1424 2-1425 2-1631 2-1632
2-1833 2-1836 2-1837 2-1848 2-2004
2-2006 2-2009 2-2175 2-2243
-- DIFFUSION AND SCATTERING
1- 1 1- 2 1- 4 1- 493 1- 884
1-1010 1-1752 2- 14 2-1051 2-2000
2-2067 2-2150
-- FROM ACTINIUM ISOTOPES
1-1182
-- FROM ALUMINUM ISOTOPES
2-1520
-- FROM AMERICIUM ISOTOPES
1-1066
-- FROM ATMOSPHERIC DUST
1- 582 1- 990
-- FROM BISMUTH ISOTOPES
1-1925
-- FROM BORON ISOTOPES
1- 779 1-1013 2-1139
-- FROM CARBON ISOTOPES
1-1308
-- FROM CURIUM ISOTOPES
1-1065 1-1068 2-1475
-- FROM HEAVY ELEMENTS
2- 620 2-2197
ALPHA PARTICLES
-- FROM LITHIUM ISOTOPES
1- 520 2-1600
-- FROM MAGNESIUM ISOTOPES
2- 14
-- FROM NEON ISOTOPES
2- 14
-- FROM NEPTUNIUM ISOTOPES
2-1306
-- FROM PLUTONIUM ISOTOPES
1-1229 2-1306 2-1473 2-1489
-- FROM POLONIUM ISOTOPES
1-1925 2- 292 2- 621 2- 841
-- FROM PROTOACTINIUM ISOTOPES
2- 987 2-1144 2-2194
-- FROM RADIUM ISOTOPES
2- 841 2-1548
-- FROM RADON ISOTOPES
2- 957
-- FROM SAMARIUM ISOTOPES
1-1497
-- FROM THORIUM ISOTOPES
1- 328 1-1189 1-1514 1-1855 2- 205
2- 389 2- 630 2- 997 2-1436 2-1648
-- FROM URANIUM FISSION
1- 493 1-1752 2-2067
-- FROM URANIUM ISOTOPES
1- 328 1-1189 1-1514 1-1643 1-1855
2- 679 2-1038 2-1144 2-1458
-- IN COSMIC RADIATION
2- 445 2-1206 2-1766
-- IONIZATION PRODUCED BY
2- 251 2- 252 2-1219 2-2059 2-2161
-- NUCLEAR REACTIONS
1- 5 1- 288 1- 301 1- 326 1- 329
1- 402 1- 470 1- 544 1- 670 1- 671
1- 796 1-1007 1-1008 1-1009 1-1014
1-1042 1-1065 1-1066 1-1068 1-1184
1-1189 1-1229 1-1420 1-1482 1-1700
1-1705 1-1715 1-1893 1-1894 2- 298
2- 299 2- 351 2- 782 2- 914 2- 947
2-1014 2-1041 2-1134 2-1198 2-1305
2-1477 2-1489 2-1613 2-1614 2-1991
2-2027 2-2028 2-2059 2-2220 2-2222
-- PRODUCTION
1- 167 1- 303 1-1659
-- RANGES IN MATERIALS
2-1165 2-1306 2-1885
-- THERAPEUTIC USES
1- 561
ALUMINUM
-- ANALYSIS
1- 429 1- 914
-- CORROSION
1- 437
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 137 1-1631 2- 526 2- 527 2- 777
2-1393
-- ELECTRON EMISSION BY
2- 794
-- PLASTIC BONDING OF
1- 480
-- PRODUCTION
1- 123
-- PROPERTIES CHEMICAL
2-1163 2-1544
-- PROPERTIES METALLURGICAL
1- 480 1-1624 1-1625
-- PROPERTIES NUCLEAR
1- 329 2- 687 2- 846 2-1620
-- PROPERTIES PHYSICAL
1-1773
-- PROPERTIES REFRACTORY
1-1546
-- RADIATION ABSORPTION BY
1- 885 1-1183 1-1191 1-1374 1-1452
1-1564 1-1565 2- 9 2- 90 2- 374
2- 375 2- 376 2- 383 2- 740 2-1165
2-1166 2-1363 2-1365 2-1500 2-1768
2-1911 2-2096
-- RADIATION SCATTERING BY
1- 401 1-1523 2- 386
-- RADIATION STOPPING BY
2-1885
-- STRUCTURE ATOMIC
1- 825
-- STRUCTURE CRYSTAL
1- 137 2- 465
ALUMINUM ISOTOPES
-- PROPERTIES NUCLEAR
1-1700
ALUMINUM AL-27
-- PROPERTIES NUCLEAR
1- 205 1- 814 2- 8 2- 14 2- 232
2- 255 2- 775 2-1094 2-1404 2-1972
-- SPECTRA
2- 232 2- 255
ALUMINUM AL-28
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143 1-1034 1-1154 1-1894 2-1620

ALUMINUM ALLOYS
-- CORROSION
2-1379
-- PROPERTIES
1-1846 2-1379
-- STRUCTURE CRYSTAL
1-1965
-- USES
2-1379
ALUMINUM COMPOUNDS
-- ALUMINUM BERYLLIUM SILICATE
1- 124
-- ALUMINUM BOROHYDRIDE
2- 76 2- 678
-- ALUMINUM BOROHYDRIDES ALKYL
2- 76
-- ALUMINUM BROMIDE
2- 348 2-1064
-- ALUMINUM CARBIDE
1-1546
-- ALUMINUM CHLORIDE
1-1070 2- 125 2-1064 2-2026
-- ALUMINUM HYDRIDE
2- 76 2- 77 2- 678
-- ALUMINUM HYDRIDE DIMETHYL
2- 77
-- ALUMINUM HYDROXIDE
2-2026
-- ALUMINUM NITRATE
2-1163
-- ALUMINUM OXIDE
1- 437 1-1545 1-1546 1-1548 1-1624
1-1773 2- 54 2- 902 2-1185 2-1516
-- ALUMINUM OXINATE
2-1544
AMERICIUM
-- DISCOVERY AND NAMING
1-1513
-- FISSION OF
2- 351
-- METABOLISM AND TOXICOLOGY
1-1389 2-1181
-- OXIDATION AND REDUCTION STATES
1- 206 2-1480
-- PROPERTIES CHEMICAL
1- 207 1-1066 1-1959 2- 351 2- 678
2-1480
-- PROPERTIES METALLURGICAL
1-1959
-- PROPERTIES PHYSICAL
1- 207
-- SPECTRA
2-1301
-- STRUCTURE ATOMIC
2-1033 2-1479
AMERICIUM ISOTOPES
-- FORMATION OF
2-1477
-- RADIOGRAPHIC USES
1-1389
-- TRACER APPLICATIONS
1-1389
AMERICIUM AM 238
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960
AMERICIUM AM 239
-- FORMATION OF
1-1066
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960
AMERICIUM AM 240
-- PROPERTIES NUCLEAR
1-1960
AMERICIUM AM 241
-- FORMATION OF
1- 206
-- PROPERTIES NUCLEAR
1- 206 1- 878 1-1065 1-1066 1-1960
2-1475
AMERICIUM AM 242
-- FORMATION OF
2-1475
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960 2-1475
AMERICIUM AM 243
-- PROPERTIES NUCLEAR
1-1960
AMERICIUM IONS
-- PROPERTIES MAGNETIC
2-1033
AMINO ACIDS
SEE ALSO SPECIFIC AMINO ACIDS SUCH
AS ALANINE GLYCINE ETC
-- CHROMATOGRAPHIC SEPARATION OF
1-1552 1-1553 2- 55 2- 427
-- CREATININE-AMINO ACID RATIO IN URINE
1- 749 1-1093
-- METABOLISM OF
1-1053 1-1214 1-1238 2- 667 2- 900
AMINOBENZOIC ACID
SEE BENZOIC ACID AMINO
AMINOPHENOL
SEE PHENOL P-AMINO-
AMINOTHIAZOLE
SEE THIAZOLE 2-AMINO
AMMETERS
-- DESIGN AND CONSTRUCTION
1- 946
-- EFFECTS OF MAGNETIC FIELDS ON
2- 917
AMMONIUM COMPOUNDS
SEE ALSO NITROGEN COMPOUNDS
-- AMMONIUM BERYLLIUM PHOSPHATE
1- 921
-- AMMONIUM CERIUM NITRATE
1- 357
-- AMMONIUM CHLORIDE
2- 780
-- AMMONIUM CHLOROGALLATE
2- 83
-- AMMONIUM FLUOBERYLLATE
1- 924
-- AMMONIUM NITRATE
1- 291
-- AMMONIUM OXALATE
1- 917
-- AMMONIUM PHOSPHATE DIHYDROGEN
1- 636
-- AMMONIUM PLUTONYL SULFATE
2-1471
-- AMMONIUM PURPURATE
1- 853
-- AMMONIUM SULFATE
2- 884
-- AMMONIUM THIOGLYCOLLATE
2- 353
AMPLIFIERS
SEE CURRENT AMPLIFIERS PULSE
AMPLIFIERS AND VOLTAGE AMPLIFIERS
AMYL ACETATE
SEE ACETATE AMYL
AMYL ALCOHOL
-- RETARDATION OF NEUTRONS BY
1- 291
ANALYSIS
SEE ALSO SUBHEAD ANALYSIS UNDER ALLOYS
METALS ORGANIC COMPOUNDS AND
SPECIFIC ALLOYS ELEMENTS AND ORES
SEE ALSO SEPARATION PROCESSES UNDER
SPECIFIC ELEMENTS
-- CHEMICAL METHODS
1- 283 1- 880 1- 921 1-1204 1-1335
1-1336 1-1337 1-1338 1-1349 1-1549
1-1783 1-1784 1-1788 1-1939 1-1940
1-1968 1-1969 2- 56 2- 61 2- 359
2- 425 2- 426 2- 433 2- 905 2-1720
2-2223
-- CHROMATOGRAPHIC
1- 53 1- 55 1- 56 1- 203 1- 619
1- 852 1-1354 1-1552 1-1553 1-1713
1-1786 1-1909 1-1910 1-1913 2- 55
2- 57 2- 64 2- 67 2- 69 2- 71
2- 360 2- 419 2- 420 2- 421 2- 422
2- 424 2- 427 2- 429 2- 652 2- 717
2- 718 2- 719 2- 720 2- 864 2- 904
2- 906 2-1014 2-1187 2-1447 2-1517
2-1523 2-1863 2-1894 2-1896 2-2055
2-2086 2-2088
-- COLORIMETRIC
1- 589 1- 753 1- 853 1-1070 1-1255
1-1550 2- 58 2- 60 2- 61 2- 62
2- 353 2- 716 2-1337 2-1491 2-1720
-- DIFFRACTION ELECTRON
1- 313 1- 448 1- 617 1- 915 1- 926
1-1556 1-1813 2- 121 2- 142 2- 466
-- DIFFRACTION NEUTRON
1- 137 1- 496 1- 617 1- 981 1-1163
1-1164 1-1262 1-1266 1-1267 2-2109
2-2128
-- DIFFRACTION X RAY
1- 58 1- 147 1- 211 1- 270 1- 311
1- 425 1- 431 1- 464 1- 590 1- 616
1- 617 1- 634 1- 641 1- 648 1- 705
1- 724 1- 883 1- 926 1- 936 1- 938
1-1064 1-1109 1-1224 1-1345 1-1404
1-1516 1-1572 1-1575 1-1712 1-1805
1-1806 1-1812 1-1955 2- 119 2- 122
2- 123 2- 124 2- 163 2- 324 2- 355
2- 461 2- 463 2- 464 2- 468 2- 511
2- 863 2-1170 2-2108 2-2240
-- ELECTROLYTIC
1- 917 1-1250 1-1551 1-1765 2- 63
2-2087
-- FLUORIMETRIC
1-1227 1-1266 1-1955 1-1966 2- 68
2- 493 2-1302 2-1534
-- PHYSICAL METHODS
1-1265 1-1266 2-1336 2-1369
-- POLAROGRAPHIC
1- 209 1- 212 1- 251 1- 396 1-1785
1-1787 1-1964 2- 352 2-1161 2-1525
2-1595 2-2245
-- POTENTIOMETRIC
1- 924 1-1252 1-1253 1-1392 1-1394
1-1942
-- RADIOMETRIC
1- 56 1- 202 1- 203 1- 255 1- 284
1- 397 1- 419 1- 490 1- 492 1- 852
1- 861 1- 917 1- 918 1-1054 1-1292
1-1348 1-1939 1-1945 2- 59 2- 139

ANALYSIS
-- RADIOMETRIC
2- 165 2- 428 2- 807 2- 888 2- 934
2- 956 2-1063 2-1106 2-1333 2-1334
2-1335 2-1338 2-1340 2-1382 2-1519
2-1523 2-1635 2-1646 2-1647 2-1708
2-1733 2-1759 2-1861 2-1863 2-1869
2-1871 2-1872 2-2082 2-2138 2-2243
-- SPECTROGRAPHIC
1- 52 1- 97 1- 256 1- 257 1- 358
1- 429 1- 432 1- 466 1- 477 1- 752
1- 851 1- 860 1- 920 1-1046 1-1047
1-1049 1-1050 1-1208 1-1226 1-1505
1-1719 1-1723 1-1724 1-1726 1-1729
1-1730 1-1948 1-1951 1-1952 2- 59
2- 70 2- 312 2- 313 2- 321 2- 357
2- 365 2- 658 2- 661 2- 683 2- 871
2- 872 2- 891 2-1222 2-1292 2-1301
2-1717 2-2046 2-2085
-- SPECTROPHOTOMETRIC
1- 754 1- 755 1- 913 1- 914 1- 920
1-1077 1-1722 1-1938 1-1961 2- 652
2- 809 2- 931 2-1035 2-1490 2-1491
ANALYTICAL BALANCES
SEE BALANCES ANALYTICAL
ANALYTICAL METHODS
-- FOR MANHATTAN PROJECT
1- 916
ANALYZERS
SEE PULSE ANALYZERS
ANEMIA
SEE BLOOD DISEASES
ANESTHETICS
-- EFFECT ON PHOSPHATE METABOLISM
2-1296
ANIMALS
SEE ALSO LABORATORY ANIMALS AND
SPECIFIC ANIMALS SUCH AS GUINEA PIGS
ETC
-- EFFECTS OF RADIATION ON
2-1060
-- METABOLISM STUDIES
1-1356 2- 344 2-1513
ANTHRACENE
-- CRYSTAL PRODUCTION OF
2- 212 2- 542
-- ELECTRON DIFFRACTION IN
2- 464
-- ENERGY LEVELS IN CRYSTALS
2-1453
-- RADIATION DETECTION USES
1- 91 1- 107 1- 109 1- 992 1- 995
1-1442 1-1515 2- 191 2- 542 2- 960
2- 975 2-1248 2-1828 2-2009
-- STRUCTURE CRYSTAL
1-1576
ANTHRANILIC ACID
-- ANALYTICAL USES
2- 358
-- METABOLISM OF
2- 901 2-1456
-- RADIATION DETECTION USES
1-1646 2- 975
-- SYNTHESIS OF LABELED
2- 908
ANTIBIOTICS
-- PENICILLIN
1- 393 1-1198 1-1345 1-1734
-- PENICILLIN BENZYL-
1- 375
-- STREPTOMYCIN
1-1553
-- SULFANILAMIDE
1- 393 2-2234
-- USNIC ACID
1- 869
ANTIHISTAMINIC DRUGS
-- RADIATION SICKNESS THERAPY USING
1-1766 2- 835
ANTIMONY
-- METABOLISM AND TOXICOLOGY
1-1061
-- PROPERTIES CHEMICAL
2-1532
-- PROPERTIES NUCLEAR
1-1007
-- SEPARATION METHODS
2- 502 2-1532 2-1895
ANTIMONY ISOTOPES
-- PROPERTIES NUCLEAR
2-1683 2-1837
-- TRACER APPLICATIONS
1-1061
ANTIMONY SB-120
-- FORMATION OF
1- 498
ANTIMONY SB-121
-- CROSS SECTION NEUTRON
1- 136 2-1404
ANTIMONY SB-122
-- CROSS SECTION NEUTRON
2-1800
ANTIMONY SB-124
-- PROPERTIES NUCLEAR
1- 331 1-1187 1-1706 2- 597 2-1827
ANTIMONY SB-125
-- PROPERTIES NUCLEAR
1-1703 2- 991
ANTIMONY SB-127
-- PROPERTIES NUCLEAR
2- 848
ANTIMONY SB-135
-- PROPERTIES NUCLEAR
2-1843
ANTIMONY COMPOUNDS
-- ANTIMONY CHLORIDE
2- 128 2- 129
-- STIBINE
1-1061
ARBACIA
SEE SEA URCHINS
ARGININE
-- METABOLISM OF
1-1214 2-1019
ARGON
-- ANALYSIS
1- 115 2- 503
-- CROSS SECTION NEUTRON
1- 144
-- IONIZATION OF
2- 252 2- 967 2-2161
-- PROPERTIES PHYSICAL
1- 562 2-1242 2-1261 2-2170
-- PURIFICATION OF
1- 620 1- 757
-- RADIATION SCATTERING BY
1- 401 1-1754
-- SPECTRA
1-1612 2-1851
ARGON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1593 2- 483
-- PROPERTIES NUCLEAR
1-1700
ARGON A-37
-- PROPERTIES NUCLEAR
1-1023 2-1811 2-1826
ARGON A-40
-- FORMATION OF
2-1790
-- PROPERTIES NUCLEAR
1- 841 1-1184 1-1410 2- 293 2- 571
2-1134
ARGON A-41
-- PROPERTIES NUCLEAR
2-1435 2-2199
ARSENIC
-- METABOLISM AND TOXICOLOGY
1- 40 1-1769 2-1026
-- SPALLATION OF
2-2149
ARSENIC ISOTOPES
-- FORMATION OF
1- 470
ARSENIC AS-71
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-72
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-73
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-74
-- FORMATION OF
2-1617
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-75
-- FORMATION OF
1-1431
-- PROPERTIES NUCLEAR
1- 170 2- 233 2-1617
ARSENIC AS-76
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- FORMATION OF
1- 40
-- PROPERTIES NUCLEAR
2- 290
-- THERAPEUTIC USES
1- 40
-- TRACER APPLICATIONS
1- 40 2-1026
ARSENIC COMPOUNDS
-- ARSENIC CHLORIDE TRI
1- 40
-- ARSENIC DEUTERIDE TRI-
2- 330 2-1370
-- ARSENIC HYDRIDE TRI-
2- 330 2-1370
-- CACODYLIC ACID
1- 40
ARTHRITIS
SEE BONE DISEASES
ASCORBIC ACID
-- RADIATION SICKNESS THERAPY USING
2- 26 2-1434
ASPARAGINE
-- METABOLISM OF
1- 393

ASPARAGINE CHLOROACETYL
-- METABOLISM OF
1-1767
ASPARAGINE GLYCYL
-- METABOLISM OF
1-1767
ASPARAGINE LEUCYL
-- METABOLISM OF
1-1767
ASPARTIC ACID
-- ANALYSIS
1-1552
-- DEGRADATION OF
1- 616
-- METABOLISM OF
1-1214 1-1354 2-1020 2-1732
ASTATINE
-- PROPERTIES CHEMICAL
2- 678
ASTATINE ISOTOPES
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
2-1383
ASTATINE AT-210
-- FORMATION OF
2- 947
-- PROPERTIES NUCLEAR
2-1991
ASTATINE AT-211
-- FORMATION OF
2-1991
ASTATINE AT-218
-- PROPERTIES NUCLEAR
1- 193
ASTATINE AT-217
-- PROPERTIES NUCLEAR
1-1316
ASTROPHYSICS
SEE ALSO COSMIC RADIATION
-- AGE AND EVOLUTION OF UNIVERSE
1-1278 2- 15 2- 17 2- 497 2- 693
2- 694 2-2073 2-2074
-- COSMIC RADIATION ORIGIN
1- 932 1-1106 2- 441 2- 448 2-1067
2-1070 2-1364 2-1564 2-1772 2-1778
2-1779 2-1907 2-2103
-- ELEMENT ABUNDANCE IN STARS
2- 16 2- 389 2- 497 2-1751
-- NUCLEAR REACTIONS IN STARS
1-1755 2-1172 2-1312
-- ORIGIN OF ELEMENTS
2-1375 2-1376
ATOMIC BOMBS
SEE ALSO ATOMIC WARFARE NUCLEAR
POWER AND REACTORS
-- DESIGN AND CONSTRUCTION
1- 598 2-1052 2-1502
-- DETONATION WAVES
1- 732 2-1310
-- GENERAL AND HISTORICAL
1- 598 1- 599 1-1436 1-1917 2- 391
2- 798
-- RADIATION EFFECTS
1- 18 1- 40 1- 240 1- 241 1- 406
1- 410 1- 411 1- 414 1- 537 1- 604
1- 748 1- 944 1-1051 1-1180 1-1246
1-1249 1-1269 1-1532 1-1625 1-1923
2- 18 2- 19 2- 36 2- 42 2- 43
2- 138 2- 402 2- 405 2- 493 2- 697
2- 699 2- 836 2- 837 2- 898 2-1311
2-1448 2-1452 2-1503 2-1655
ATOMIC ENERGY COMMISSION
SEE ALSO RESEARCH PROGRAMS
-- SEMI-ANNUAL REPORT
2-1283
-- LABORATORIES
1- 118 1- 119 1- 479 2- 314 2-1016
2-2044
-- RESEARCH PROGRAMS
1- 118 1- 119 1- 204 1- 205 1- 227
1- 360 1- 435 1- 551 1- 565 1- 598
1- 600 1- 615 1- 780 1- 848 1- 857
1- 888 1- 890 1- 916 1- 962 1-1085
1-1094 1-1205 1-1206 1-1500 1-1717
1-1944 1-1946 2- 315 2- 316 2- 393
2- 855 2- 858 2-1016 2-1053 2-1174
2-1450 2-1452 2-1722 2-1886 2-2044
ATOMIC POWER
SEE NUCLEAR POWER
ATOMIC STRUCTURE
SEE STRUCTURE ATOMIC
ATOMIC WARFARE
SEE ALSO ATOMIC BOMBS
-- DEFENSES AGAINST
2- 695 2- 696 2- 698 2- 896 2-1419
-- EFFECTS AND LIMITATIONS
1-1236 1-1377 2- 18 2- 19 2- 136
2-1752
-- MEDICAL PROGRAM FOR
2- 136 2- 697 2- 837 2-1311
-- VETERINARY PROGRAM FOR
2-1309
ATOMIC WEIGHTS
SEE SUBHEAD ATOMIC WEIGHTS UNDER
SPECIFIC ELEMENTS

AUTORADIOGRAPHY
SEE SUBHEADS RADIOGRAPHIC USES AND
RADIOAUTOGRAPHIC USES UNDER ISOTOPES
RADIATION SPECIFIC RADIOISOTOPES
SUCH AS PHOSPHORUS P-32 AND SPECIFIC
WAVE AND PARTICULATE RADIATIONS

BACTERIA
SEE ALSO BACTERIOPHAGES PROTOZOA AND
VIRUSES
-- DOSAGE DETERMINATION
1-1352
-- EFFECTS OF RADIATION ON
1- 25 1- 733 1- 742 1- 743 2- 709
-- FERMENTATION PROCESSES PRODUCED BY
1- 394 2- 883 2-1155
-- METABOLISM AND TOXICOLOGY STUDIES
1- 393 2- 49 2- 883 2-1853 2-2234
BACTERIOPHAGES
SEE ALSO BACTERIA AND VIRUSES
-- EFFECTS OF RADIATION ON
1- 242 1- 742 1-1242 2- 29 2-1890
-- METABOLISM AND TOXICOLOGY STUDIES
1- 392 1-1508
BALANCES ANALYTICAL
-- DESIGN AND CONSTRUCTION
1- 99 1- 269 1-1820 1-1833 2- 496
2-2117
BARBITAL SODIUM
-- EFFECTS ON PHOSPHORUS METABOLISM
2-1296
BARBITURATES
SEE SPECIFIC BARBITURATES SUCH AS
PENTABARBITAL ETC
BARIUM
-- ANALYSIS
1- 752
-- METABOLISM AND TOXICOLOGY
2-1181
-- PRODUCTION
1-1623
-- PROPERTIES NUCLEAR
2-1402
-- SEPARATION METHODS
2- 69 2-1528 2-1529 2-1540 2-1541
2-1542
BARIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 114
BARIUM BA 130
-- CROSS SECTION NEUTRON
1- 136 2-1599 2-1600
-- PROPERTIES NUCLEAR
2-1599
BARIUM BA 131
-- PROPERTIES NUCLEAR
2-1540 2-1599
BARIUM BA 133
-- PROPERTIES NUCLEAR
1- 538
BARIUM BA 134
-- PROPERTIES NUCLEAR
2- 1 2- 233
BARIUM BA 137
-- PROPERTIES NUCLEAR
1- 589 1-103 2- 996
BARIUM BA 139
-- CROSS SECTION NEUTRON
2-1966
-- FORMATION OF
2-1660
-- PROPERTIES NUCLEAR
1-1928
BARIUM BA 140
-- BIOLOGICAL EFFECTS
1- 38
-- ISOTOPIC SEPARATION
1-1262
-- PROPERTIES NUCLEAR
2-1661 2-1662 2-1664 2-1880
BARIUM COMPOUNDS
-- BARIUM CARBIDE
1- 259
-- BARIUM CARBONATE
1- 64 1- 224 1- 239 1- 540 1-1931
2- 74 2- 907 2-1065
-- BARIUM FLUOBORATE
2- 436
-- BARIUM OXIDE
1-1405
-- BARIUM SULFIDE
1-1098 1-1099
-- BARIUM TITANATES
1-1777 1-1778 1-1779
-- BARIUM URANATE
2-1040 2-2063
-- BARIUM VANADATE
1- 57
BATS
-- EFFECTS OF RADIATION ON
1- 40
BENADRYL
SEE ANTIHISTAMINIC DRUGS

BENZANTHRACENE
-- RADIATION DETECTION USES
1-1646 2- 975
BENZENE
-- EFFECTS OF RADIATION ON
1- 196
-- NEUTRON RETARDATION BY
1- 291
BENZENE MONOBROMO-
-- ISOTOPIC BROMINE EXCHANGE IN
2- 348
BENZENE HEXABROMO-
-- ENERGY LEVELS IN CRYSTALS
2-1453
BENZENE O DICHLORO-
-- EFFECTS OF RADIATION ON
1- 413
BENZENE P DICHLORO-
-- EFFECTS OF RADIATION ON
1- 842
BENZENE HEXACHLORO-
-- EFFECTS OF RADIATION ON
1- 842
BENZENE BIS-TRIFLUOROMETHYL
SEE XYLENE P-ALPHA-ALPHA-TRIFLUORO
BENZIDINE
-- ANALYTICAL REAGENT FOR V
BENZIDINE DIAMINO
-- ANALYTICAL REAGENT FOR V AND SE
2- 60
BENZOIC ACID
-- SYNTHESIS OF LABELED
2-1761
BENZOIC ACID O-AMINO-
SEE ANTHRANILIC ACID
BENZOIC ACID P-AMINO-
-- EFFECTS ON PROTEIN METABOLISM
1- 393
-- METABOLISM OF
2- 901
BENZOIC ACID M-NITRO-
-- ANALYTICAL REAGENT FOR RARE EARTHS
1-1204
BENZOTRIFLUORIDE
SEE TOLUENE ALPHA-TRIFLUORO
BENZOTRIFLUORIDE M-CHLORO-
SEE TOLUENE ALPHA TRIFLUORO M-CHLORO
BENZOTRIFLUORIDE O-CHLORO-
SEE TOLUENE ALPHA TRIFLUORO O-CHLORO-
BENZYL FLUORIDES SUBSTITUTED
-- REACTION RATES OF
2- 478
BENZYLPHENYL GLYOXALIDONE
SEE GLYOXALIDONE PHENYLBENZYL
BENZYLTHIOURACIL
SEE THIOURACIL BENZYL-
BERYLLIUM
-- ANALYSIS
1- 429 1- 752 1- 921 1-1782 1-1951
2- 905 2- 931 2-1329 2-1594
-- BIBLIOGRAPHY
1-1782
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 290 2- 527 2- 777 2-2144
-- EFFECTS OF RADIATION ON
2- 167
-- FOUNDING OF
2-1221
-- METABOLISM AND TOXICOLOGY
1- 48 1- 49 1- 266 1- 268 1- 420
1- 421 1- 606 1- 614 1-1092
1-1094 1-1096 1-1536 1-1537 1-1538
1-1539 1-1540 1-1541 2- 45 2- 46
2- 48 2- 750 2- 751 2-1327 2-1330
2-1331 2-1371 2-1512 2-1513 2-1793
2-2113
-- PRODUCTION
1- 123 1- 124 1- 281 1- 483 1- 486
1-1629 1-1845 1-1848
-- PROPERTIES METALLURGICAL
1- 122 1- 124 2-1221 2-1582
-- PROPERTIES NUCLEAR
1- 329 1- 980 1-1435 2- 687 2- 939
2- 993 2-1618 2-2179
-- PROPERTIES PHYSICAL
1-1311 2- 511 2- 515 2-1591
-- RADIATION ABSORPTION BY
1- 726 1-1234 2- 382 2-1165 2-1166
-- SPECTRA
1-1725 1-1947
-- STRUCTURE CRYSTAL
1-1611
BERYLLIUM BE 7
-- FORMATION OF
2-1094 2-1392 2-1603
-- PROPERTIES NUCLEAR
1- 693 1- 987 1-1015 1-1028 1-1325
1-1487 1-1929 2- 844 2-1264 2-2196
-- STRUCTURE ATOMIC
1-1028 2- 844
-- TRACER APPLICATIONS
1- 606 1-1092 2-1327 2-1331
BERYLLIUM BE 8
-- PROPERTIES NUCLEAR
1-1486 1-1702 2-1392 2-2201
BERYLLIUM BE 9
-- CROSS SECTION ELECTRON
1-1485
-- CROSS SECTION PROTON
1- 223
-- PROPERTIES NUCLEAR
1- 223 1- 815 1-1445 1-1485 1-1486
2- 291 2- 296 2- 633 2-1231 2-1404
2-1972
BERYLLIUM BE 10
-- PROPERTIES NUCLEAR
1-1887 2- 942 2-1266 2-1267
BERYLLIUM ALLOYS
-- GRINDING OF
1-1285
-- METALLOGRAPHIC EXAMINATION
2-1582
-- PRODUCTION
1- 124 1-1845
-- STRUCTURE CRYSTAL
1-1140 2-1378
BERYLLIUM COMPOUNDS
-- BERYLLIUM ALUMINATE
1-1546
-- BERYLLIUM ALUMINUM SILICATE
1-1545
-- BERYLLIUM BOROHYDRIDE
2- 678
-- BERYLLIUM CARBIDE
1-1775 2- 50 2- 51
-- BERYLLIUM CARBONATE
1- 622
-- BERYLLIUM CITRATE
2-1327
-- BERYLLIUM FLUORIDE
1- 486 1- 924 1-1487 1-1539
-- BERYLLIUM HYDRIDE
2- 76
-- BERYLLIUM HYDRIDE METHYL-
2- 76
-- BERYLLIUM HYDROXIDE
1- 921 1-1539
-- BERYLLIUM OXIDE
1- 48 1- 124 1- 429 1- 647 1- 909
1- 911 1-1028 1-1311 1-1526 1-1539
1-1541 1-1543 1-1549 1-1546 1-1548
1-1780 1-1791 1-1848 1-1947 2- 54
2- 844 2- 902 2- 903 2-1185 2-1516
-- BERYLLIUM SILICATES
1-1546
-- BERYLLIUM SULFATE
1- 420 1- 606 1- 921 1- 924 1-1096
1-1539 2- 46 2-1330 2-1512 2-1513
-- BERYLLIUM SULFIDE
1-1791
BERYLLIUM POISONING
-- MEDICAL PROGRAM FOR
2-1371
BETA PARTICLES
SEE ALSO ELECTRONS NUCLEAR PARTICLES
POSITRONS AND RADIATION
-- ABSORPTION
1- 224 1- 885 2- 9 2- 374 2-1497
2-1870 2-1871 2-1874
-- BIOLOGICAL EFFECTS
1- 17 1- 18 1- 22 1- 30 1- 235
1- 246 1- 605 1- 893 1-1086 1-1241
1-1529 1-1760
-- BREMSSTRAHLUNG
1- 400 2-1269 2-1635
-- CHEMICAL EFFECTS
1- 332 1-1036 1-1488
-- DETECTION AND MEASUREMENT
1- 89 1- 91 1- 93 1- 146 1- 149
1- 151 1- 224 1- 292 1- 502 1- 503
1- 504 1- 639 1- 747 1- 772 1- 795
1- 797 1- 954 1- 995 1-1023 1-1148
1-1375 1-1442 1-1443 1-1650 1-1653
1-1671 1-1673 2- 182 2- 188 2- 189
2- 190 2- 192 2- 194 2- 209 2- 215
2- 216 2- 220 2- 544 2- 547 2- 548
2- 550 2- 554 2- 557 2- 801 2- 804
2- 808 2- 809 2- 810 2- 813 2- 814
2- 958 2- 967 2-1109 2-1246 2-1247
2-1248 2-1251 2-1253 2-1267 2-1271
2-1422 2-1435 2-1519 2-1523 2-1641
2-1646 2-1647 2-1795 2-1869 2-1870
2-1871 2-1872 2-1873 2-1874 2-1875
2-1877 2-1879 2-1880 2-1881 2-2003
2-2007 2-2030 2-2111 2-2170 2-2178
-- DIFFUSION AND SCATTERING
1- 224 1- 400 2- 2 2- 691 2- 827
2- 988 2-1870 2-1871 2-1872 2-1873
-- DOSAGE DETERMINATIONS
1- 747 1-1412 1-1519
-- ELECTRON CREATION FROM
1- 154 1- 694
-- FROM ACTINIUM ISOTOPES
2-2203
-- FROM ALUMINUM ISOTOPES
1-1034
-- FROM AMERICIUM ISOTOPES
1-1066 2-1475

BETA PARTICLES
-- FROM ANTIMONY ISOTOPES
2- 848 2-1683 2-1837 2-1843
-- FROM ARGON ISOTOPES
2-1435 2-2199
-- FROM ARSENIC ISOTOPES
2- 290
-- FROM BARIUM ISOTOPES
1-1928 2-1661 2-1662 2-1664
-- FROM BERYLLIUM ISOTOPES
2-1266 2-1267
-- FROM BISMUTH ISOTOPES
1- 9 1-1320 1-1699 2- 9 2- 619
2- 623 2- 636 2-1142 2-1440 2-1875
-- FROM BORON ISOTOPES
2- 622
-- FROM BROMINE ISOTOPES
2-1000
-- FROM CADMIUM ISOTOPES
2-1139 2-1682
-- FROM CARBON ISOTOPES
1- 224 1-1193 1-1233 1-1698 1-1699
-- FROM CERIUM ISOTOPES
1- 703 2- 284
-- FROM CESIUM ISOTOPES
1- 691 2- 996 2-1658 2-1659 2-2220
-- FROM CHLORINE ISOTOPES
2-1272
-- FROM COBALT ISOTOPES
2- 624 2-1441 2-2032
-- FROM COLUMBIUM ISOTOPES
1-1706 2- 999
-- FROM COPPER ISOTOPES
1-1033 1-1699 2- 216 2- 282 2- 617
2- 618 2-1142 2-1437 2-2021
-- FROM DYSPROSIUM ISOTOPES
1-1941
-- FROM EUROPIUM ISOTOPES
1- 543 1-1043 1-1701
-- FROM FISSION PRODUCTS
1- 194
-- FROM FLUORINE ISOTOPES
1- 836
-- FROM GADOLINIUM ISOTOPES
1- 543 2-2209
-- FROM GALLIUM ISOTOPES
1-1029 1-1927
-- FROM GOLD ISOTOPES
1- 837 1-1191 1-1877 1-1927 2-1268
2-1694 2-1840 2-2027
-- FROM HAFNIUM ISOTOPES
2- 286 2- 287 2-1139 2-1140 2-1691
-- FROM HELIUM ISOTOPES
2-1690 2-2221
-- FROM HYDROGEN ISOTOPES
1-1319 1-1476 2- 204 2- 850 2- 968
2-1216 2-1228 2-1688 2-1692 2-1839
2-1842
-- FROM IODINE ISOTOPES
2- 842 2-1669 2-1670
-- FROM IRIDIUM ISOTOPES
1- 885 1-1698
-- FROM LANTHANUM ISOTOPES
2-1663 2-1664 2-1673 2-1878
-- FROM LEAD ISOTOPES
2- 550 2- 623 2-1440
-- FROM LITHIUM ISOTOPES
2- 622
-- FROM MAGNESIUM ISOTOPES
1-1034
-- FROM MERCURY ISOTOPES
1- 688 1-1474 2-1131
-- FROM MESON DISINTEGRATION
1- 629 1-1421 1-1424 1-1617 2- 733
2-1357 2-1552
-- FROM NEODYMIUM ISOTOPES
2-1674
-- FROM NEPTUNIUM ISOTOPES
2-1489
-- FROM OSMIUM ISOTOPES
1- 840 1-1706
-- FROM PHOSPHORUS ISOTOPES
1-1324
-- FROM PLATINUM ISOTOPES
1-1191 2-2027
-- FROM POLONIUM ISOTOPES
2- 550 2-1440
-- FROM POTASSIUM ISOTOPES
1- 695 1-1184 2- 295 2- 635 2-1134
2-2024 2-2029
-- FROM PRASEODYMIUM ISOTOPES
2- 284 2-2042
-- FROM PROTOACTINIUM ISOTOPES
1-1698 2-1488 2-1875
-- FROM RADIUM ISOTOPES
2- 623 2-2203
-- FROM RHENIUM ISOTOPES
1- 191 1-1706
-- FROM RHODIUM ISOTOPES
2-1679
-- FROM RUBIDIUM ISOTOPES
1-1318 1-1927 2- 301 2-1077
-- FROM RUTHENIUM ISOTOPES
1-1941 2-1679 2-1680
-- FROM SAMARIUM ISOTOPES
1- 539 2- 647

BETA PARTICLES
-- FROM SCANDIUM ISOTOPES
1- 837 1-1927
-- FROM SELENIUM ISOTOPES
1-1522
-- FROM SILVER ISOTOPES
2-2208
-- FROM STRONTIUM ISOTOPES
1-1190
-- FROM SULPHUR ISOTOPES
1- 3 1-1181 1-1193 1-1233 1-1475
1-1699 2- 374 2- 627 2-1142
-- FROM TANTALUM ISOTOPES
1- 885
-- FROM TECHNETIUM ISOTOPES
2-1686 2-2020
-- FROM TELLURIUM ISOTOPES
2- 634 2-1669
-- FROM TERBIUM ISOTOPES
1- 543 2-2209
-- FROM THALLIUM ISOTOPES
1-1183 2- 550 2-1143 2-1440
-- FROM THORIUM FISSION
1-1864
-- FROM THORIUM ISOTOPES
2- 283 2- 892 2- 934 2- 997 2-1036
-- FROM TIN ISOTOPES
2-1137
-- FROM TUNGSTEN ISOTOPES
1- 837 1-1701 2- 297 2- 995 2-1838
-- FROM URANIUM FISSION
1-1864
-- FROM URANIUM ISOTOPES
1-1372 2- 934
-- FROM XENON ISOTOPES
2-1670 2-1672
-- FROM YTTRIUM ISOTOPES
1-1190 2-1130 2-2043
-- FROM ZIRCONIUM ISOTOPES
1-1941
-- IDENTIFICATION WITH ELECTRONS
1- 315
-- NUCLEAR REACTIONS
1-1485 2- 523 2-1810
-- RADIOGRAPHIC USES
1- 699 1-1490
-- SOURCES AND STANDARDS
2-1875
-- THERAPEUTIC USES
1- 560 2- 853 2-1442 2-1696 2-1847
2-2033
BETASYNCHROTRON
SEE ACCELERATORS PARTICLE
BETATRON
SEE ACCELERATORS PARTICLE
BIBENZYL DIFLUORO-
-- PROPERTIES CHEMICAL
1-1409
BIBLIOGRAPHIES
-- BERYLLIUM ANALYTICAL CHEMISTRY
1-1782
-- BIOLOGICAL EFFECTS OF RADIATION
1-1761
-- BIOLOGICAL USES ISOTOPES
1- 387 1-1761
-- CHEMICAL REACTIONS
2- 79
-- CORROSION
1- 927 1- 929
-- GAS SOLUBILITY IN ORGANIC LIQUIDS
2-1242
-- LIQUID METAL HEAT TRANSFER
2-1587
-- METAL CARBONYLS
2-1760
-- NICKEL FILMS
2- 514
-- NUCLEAR PARTICLES
2-2002
-- NUCLEAR POWER ASPECTS SOCIAL ECONOMIC
1-1795
-- NUCLEAR PROPERTIES OF ISOTOPES
2-1976
-- PARTICLE ACCELERATORS
2- 235
-- PETROLEUM WELL LOGGING
1- 679
-- RADIUM POISONING
1- 610
-- SZILARD-CHALMERS REACTION
2-1798
-- TITANIUM METALLURGY
1-1619
-- TRACER APPLICATIONS
2- 334
-- VOLTAGE REGULATION AND CORONA
DISCHARGE
2-1819
-- ZIRCONIUM METALLURGY
1-1626
BIOLOGICAL MATERIAL
-- ANALYSIS
2-2062
-- ANALYSIS FOR BERYLLIUM
2- 931
-- RADIOACTIVITY DETERMINATIONS IN
2- 557 2- 958 2-1851 2-2117

BIOLOGICAL NOMENCLATURE
2- 880
BIPHENYL
-- RADIATION DETECTION USES
1-1646 2- 975 2-1422
BISMUTH
-- CROSS SECTION NEUTRON
1- 140 1- 979 2- 523 2-2142
-- FISSION OF
2-1613 2-1975
-- PRODUCTION
1-1623 1-1629
-- PROPERTIES NUCLEAR
2- 947 2-1991
-- RADIATION ABSORPTION BY
2- 373
-- RADIATION SCATTERING BY
1- 140
-- RADIATION STOPPING BY
2-1885
-- SPECTRA
1-1221
BISMUTH ISOTOPES
-- PROPERTIES NUCLEAR
2-1383
BISMUTH BI-209
-- CROSS SECTION DEUTERON
2- 384
-- PROPERTIES NUCLEAR
2-1404
BISMUTH BI-210
-- CROSS SECTION DEUTERON
2- 384
-- FORMATION OF
2-1991
-- PROPERTIES NUCLEAR
1-1189 1-1599 2- 619 2- 636 2-1142
2 1875
BISMUTH BI-212
-- PROPERTIES NUCLEAR
1-1926 2-1132 2-1440
BISMUTH BI-213
-- PROPERTIES NUCLEAR
1-1316
BISMUTH BI-214
-- PROPERTIES NUCLEAR
1- 886 1-1320 1-1925 2- 3 2- 623
BISMUTH ALLOYS
-- PROPERTIES PHYSICAL
2-1586
BLADDER DISEASES
-- RADIATION THERAPY
2-1146
BLOOD
-- ANALYSIS FOR FLUORIDE IN
1- 753
-- DETERMINATION OF FLOW RATE
2-1297
-- DETERMINATION OF VOLUME
2- 666
-- MEASUREMENT OF RADIOACTIVITY IN
1- 576 1- 577 1- 639 1- 714
-- METABOLISM OF ARSENIC IN
2-1296
-- METABOLISM OF COPPER IN
1- 713 2-1153
-- METABOLISM OF IRON IN
1- 390
-- METABOLISM OF PHOSPHORUS IN
2- 673 2-1296
-- METABOLISM OF POTASSIUM IN
1-1212 2-1018
BLOOD CELLS
-- FORMATION RATE
2- 332
-- LIFE SPAN
1- 368 1- 380 1- 386
-- RADIOAUTOGRAPHS
2- 303
-- VOLUME DETERMINATION
2-1152 2-2051 2-2054
BLOOD COAGULATION
-- EFFECTS OF RADIATION ON
1- 40 1-1314 2- 703 2-1891
BLOOD DISEASES
SEE ALSO LYMPH DISEASES
-- CHEMICAL THERAPY
2- 345 2-1458
-- RADIATION THERAPY
1-1038
-- RADIOISOTOPES THERAPY
1- 348 1- 350 1- 352 1- 353 1- 472
1- 557 1- 558 1- 718 1-1036 1-1197
1-1198 1-1199 1-1332 1-1494 2- 856
2- 857 2- 858
BLOOD SYSTEM
SEE ALSO LYMPH SYSTEM
-- EFFECT OF BERYLLIUM COMPOUNDS ON
1- 420 2-1512
-- EFFECT OF COBALT COMPOUNDS ON
2-1153
-- EFFECT OF RADIATION ON
1- 13 1- 35 1- 38 1- 40 1- 40
1- 356 1- 404 1- 410 1- 415 1- 602
1- 613 1- 537 1- 892 1- 896 1- 903
1- 905 1-1087 1-1091 1-1116 1-1180
BLOOD SYSTEM
-- EFFECT OF RADIATION ON
1-1237 1-1241 1-1528 1-1696 1-1697
2- 28 2- 34 2- 395 2- 400 2- 401
2- 402 2- 614 2- 703 2- 836 2- 838
2- 860 2- 963 2- 984 2- 985 2-1057
2-1127 2-1175 2-1176 2-1263 2-1321
2-1508 2-1509 2-1655 2-1891
-- EFFECT OF RADIOISOTOPES ON
1- 14 1- 15 1- 35 1- 38 1- 42
1- 415 1- 416 1- 892 1-1116 1-1765
-- EFFECT OF URANIUM COMPOUNDS ON
1- 612 2- 406 2- 895
BLOWERS
SEE PUMPS
BODY WATER
-- CHANGES PRODUCED BY RADIATION
2-1319
BONE DISEASES
-- RADIATION THERAPY
2-1281 2-1444
-- RADIOISOTOPES THERAPY
2-1003
BONES
SEE ALSO TEETH
-- DEPOSITION OF FISSION PRODUCTS IN
2-1181 2-1326
-- DEPOSITION OF PLUTONIUM IN
2-1326
-- DEPOSITION OF TRANSURANIC ELEMENTS IN
2-1181
-- DEPOSITION OF URANIUM IN
1- 908 1-1386 1-1387 1-1388
2- 808 2-2080
-- EFFECTS OF PLUTONIUM ON
1- 16 1- 42
-- EFFECTS OF RADIATION ON
1- 693 2- 396 2- 397 2- 403
-- EFFECTS OF RADIUM ON
1- 16
-- METABOLISM OF CALCIUM IN
2-1150 2-1481
-- METABOLISM OF HEMIN IN
2-1021
-- METABOLISM OF PHOSPHORUS IN
1- 47 1- 574 1- 575 1- 580 1- 715
1- 876 1-1058 2-1455
BORON
-- ANALYSIS
1- 57 1-1952
-- ATOMIC WEIGHT
1-1595
-- PLASTIC BONDING OF
1-1141 1-1142
-- PRODUCTION
1-1621 1-1623 1-1629
-- PROPERTIES NUCLEAR
1- 329 2- 8 2-1384
-- PROPERTIES PHYSICAL
1-1141 1-1142 2- 253
-- RADIATION ABSORPTION BY
2-1165
-- SPECTRA
1-1729
BORON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1595
-- PROPERTIES NUCLEAR
2-2045
BORON B-10
-- CROSS SECTION ALPHA
1-1893
-- PROPERTIES NUCLEAR
1- 4 1- 510 1- 813 1- 999 1-1863
1-1890 2- 566 2- 942 2- 943 2-1135
2-1141
BORON B-11
-- CROSS SECTION ALPHA
1-1893
-- FORMATION OF
2- 174
-- PROPERTIES NUCLEAR
1- 295 1- 510 1-1013 1-1863 1-1890
1-1915 2- 565 2- 573 2- 812 2- 943
BORON B-12
-- PROPERTIES NUCLEAR
1-1915 2- 622
BORON COMPOUNDS
-- BORANE DI
2- 77
-- BORANE PENTA-
2- 76 2- 77
-- BORATE BARIUM FLUO-
2- 436
-- BORATE POTASSIUM FLUO-
2- 436
-- BOROHYDRIDE ALUMINUM
2- 76 2- 678
-- BOROHYDRIDE LITHIUM
1- 756 2- 678
-- BOROHYDRIDE POTASSIUM
1- 756
-- BOROHYDRIDE SODIUM
1- 756
-- BOROHYDRIDES
2- 431

BORON COMPOUNDS
-- BOROHYDRIDES ALUMINUM ALKYL
2- 76
-- BORON CARBIDE
1-1142
-- BORON CHLORIDE
2- 360
-- BORON FLUORIDE
1- 922 1-1595 2- 78 2- 350
-- BORON HYDRIDES
2-1763
BRAIN
-- EFFECTS OF RADIATION ON
2- 33 2-1010
-- METABOLISM OF PHOSPHORUS IN
1- 391
BRAIN TUMORS
-- LOCATION WITH I-131
1- 376 1- 870 1-1738
BRASS
-- RADIATION ABSORPTION BY
1- 71
BROADCAST RECEIVERS
-- RADIATION DETECTION USES
1-1272
BROMIDE IONS
-- STABILIZATION OF ORGANIC COMPOUNDS BY
2-1262
BROMINE
-- ANALYSIS
1-1252 2- 425
-- PROPERTIES CHEMICAL
2- 432 2-1522
-- PROPERTIES NUCLEAR
1-1601 1-1892
-- STRUCTURE ATOMIC
1-1456
BROMINE ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
2-1138
-- SEPARATION METHODS
1- 116 1-1135 2- 760
-- TRACER APPLICATIONS
1- 576 2- 874 2-1522 2-2058
-- USES IN SYNTHESIS
1- 925 1-1103
BROMINE BR-75
-- PROPERTIES NUCLEAR
1-1705
BROMINE BR-77
-- PROPERTIES NUCLEAR
1-1705
BROMINE BR-79
-- PROPERTIES NUCLEAR
1-1858 2- 432 2-1404
BROMINE BR-80
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 116 1-1705 1-1858 2-2022 2-2204
BROMINE BR-81
-- PROPERTIES NUCLEAR
2-1404
BROMINE BR-82
-- FORMATION OF
2-1677
-- PROPERTIES NUCLEAR
1-1187
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
2- 671 2-1031
BROMINE BR-85
-- PROPERTIES NUCLEAR
2-1000
BROMINE BR-87
-- PROPERTIES NUCLEAR
2-1000
BROMINE BR-88
-- PROPERTIES NUCLEAR
2-1000
BROMINE COMPOUNDS
-- HYDROGEN BROMIDE
2-2022
BROMOBENZENE
SEE BENZENE BROMO-
BROMOFORM
-- EFFECTS OF RADIATION ON
1- 413
BROMOHYDROXYNAPHTHOQUINONE
SEE NAPHTHOQUINONE 2 BROMO-3-HYDROXY-
BROMOMALONIC ACID
SEE MALONIC ACID BROMO-
BROMONAPHTHALENE
SEE NAPHTHALENE ALPHA-BROMO
BURETTES
-- ULTRAMICRO
2- 144
BUTANOL
SEE BUTYL ALCOHOL
BUTENES
-- DEUTERIUM EXCHANGE IN
1-1585
BUTYL ALCOHOL I
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
BUTYL ALCOHOL T
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
BUTYL BROMIDE N
-- NUCLEAR ISOMERS OF
1-1135 2- 760
BUTYL PHOSPHATE
-- SOLVENT EXTRACTION OF CERIUM BY
2-1448
BUTYRIC ACID GAMMA TRIFLUORO-
-- SYNTHESIS OF
1-1589

CADMIUM
-- ANALYSIS
1- 430
-- CROSS SECTION ELECTRON
1- 595
-- EFFECTS OF RADIATION ON
1- 997
-- METABOLISM AND TOXICOLOGY
1- 48
-- PRODUCTION
1-1629
-- PROPERTIES CHEMICAL
2- 79
-- SEPARATION METHODS
1-1279 2-1139 2-1531
CADMIUM ISOTOPES
-- PROPERTIES NUCLEAR
2- 285
-- SEPARATION METHODS
2- 925
CADMIUM CD-115
-- PROPERTIES NUCLEAR
2-1139 2-1682
CADMIUM CD-117
-- PROPERTIES NUCLEAR
1- 143
CADMIUM ALLOYS
-- EVAPORATION OF
1- 966
-- STRUCTURE CRYSTAL
2- 163
CADMIUM COMPOUNDS
-- CADMIUM OXIDE
1- 48
-- CADMIUM SULFIDE
2- 809 2- 970 2-1247 2-1250 2-1422
CALCIUM
-- ANALYSIS
1- 429 1- 752
-- CROSS SECTION NEUTRON
2-1974 2-2144
-- METABOLISM STUDIES WITH ISOTOPES
1- 580 2-1461 2-1854
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
2- 79
CALCIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 841
-- TRACER APPLICATIONS
1- 580 2- 672
CALCIUM CA-40
-- PROPERTIES NUCLEAR
1- 796 2-1404
CALCIUM CA-45
-- DOSAGE DETERMINATION
2-2040
-- RADIOAUTOGRAPHIC USES
2-2040
-- THERAPEUTIC USES
1- 560 2-2040
-- TRACER APPLICATIONS
2-1150 2-1461 2-1730 2-1854
CALCIUM COMPOUNDS
-- CALCIUM CARBONATE
1-1054 1-1575 1-1751
-- CALCIUM FLUOBORATE
1- 922
-- CALCIUM FLUORIDE
1-1334 1-1575 1-1751 2-1303
-- CALCIUM GLYCOLLATE
2-1344
-- CALCIUM HYDRIDE
1- 757
-- CALCIUM OXIDE
1-1545 1-1780 1-1859 2-1974
-- CALCIUM PHYLATE
1-1391
-- CALCIUM SULFATE
1-1575 1-1773
-- CALCIUM TITANATES
1-1778 1-1948
-- CALCIUM TUNGSTATE
2- 547 2-1112 2-1422
-- CALCIUM URANATE
1- 721
CALORIMETERS
-- CONSTRUCTION AND OPERATION
1- 279 1-1264 1-1415 2-1373 2-1418

CAMERAS
-- ELECTRON DIFFRACTION
2- 563
-- SPECTROGRAPHIC
1-1049
-- X-RAY DIFFRACTION
1- 883 1-1415 1-1516 2- 160 2- 511
CANCER
SEE TUMORS AND CANCERS
CARBOHYDRATES
SEE ALSO LIPIDS AND PROTEINS SPECIFIC CARBOHYDRATES ARE ALSO LISTED INDIVIDUALLY
-- CELLULOSE
2- 84
-- FRUCTOSE
1- 61
-- GLUCOSE
1- 61 1- 393 1- 717 1- 748 1-1217
2- 73 2-1151 2-1180 2-1459 2-2093
-- GLYCOGEN
1-1217 2-1180 2-1459 2-1460 2-1462
-- HEPARIN
1-1314 2-1328
-- HYALURONIC ACID
2-1835
-- MANNOSE
2-2093
-- POLYSACCHARIDES
1-1736 1-1737
-- STARCH
1- 61 1- 333
-- SUCROSE
1- 61 2-1293
CARBON
SEE ALSO DIAMOND AND GRAPHITE
-- ANALYSIS
2-1106 2-1336
-- ANALYSIS RADIOMETRIC
1-1841 1-1931 2-1338 2-1759
-- CROSS SECTION NEUTRON
1- 740 1- 989 1-1671 2- 526 2- 527
2- 777 2-1393
-- METABOLISM STUDIES WITH ISOTOPES
1- 252 1- 369 1- 372 1- 394 1- 396
1- 582 1- 865 1-1051 1-1054 1-1055
1-1214 1-1215 1-1216 1-1217 1-1353
1-1354 1-1733 2- 412 2- 665 2- 667
2- 669 2- 875 2- 878 2- 901 2-1019
2-1020 2-1021 2-1022 2-1023 2-1024
2-1182 2-1456 2-1457 2-1458 2-1459
2-1460 2-1462 2-1464 2-1465 2-1732
2-2050 2-2230 2-2236
-- PROPERTIES CHEMICAL
2- 79
-- PROPERTIES NUCLEAR
2- 913 2-1799
-- PROPERTIES REFRACTORY
2- 54 2- 484
-- RADIATION ABSORPTION BY
1- 728 1-1176 1-1374 2- 108 2- 375
2- 743 2-1165 2-1365 2-1913
-- RADIATION SCATTERING BY
1- 401 2- 386
-- RADIATION STOPPING BY
2-1171
-- SPECTRA
1- 998 1-1725
-- STRUCTURE ATOMIC
1-1456
CARBON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2- 756
-- TRACER APPLICATIONS
1-1051 2- 340 2-1155
-- USES IN SYNTHESES
2- 340 2-1764
CARBON C-10
-- PROPERTIES NUCLEAR
1-1687 2- 942 2-1141
CARBON C-11
-- FORMATION OF
1- 498
-- PROPERTIES NUCLEAR
1-1307
-- TRACER APPLICATIONS
1- 582 2- 671
CARBON C-12
-- CROSS SECTION GAMMA
1-1695
-- CROSS SECTION PROTON
2- 572
-- PROPERTIES NUCLEAR
1- 295 1-1035 1-1307 1-1308 1-1323
1-1432 1-1433 1-1695 2- 8 2- 572
2-1265 2-1404 2-1618 2-1972 2-2071
-- USES IN SYNTHESIS
1- 66
CARBON C-13
-- FORMATION OF
1- 63 1-1841
-- PROPERTIES NUCLEAR
1- 295 1- 998 1-1323 1-1453 2-1399
2-1972
-- TRACER APPLICATIONS
1- 369 1- 865 2- 872 2- 875
CARBON C-13
1- 560
-- TRACER APPLICATIONS
1- 59 1- 252 1- 372 1- 373 1- 377
1- 379 1- 394 1- 396 1- 582 1- 774
1- 861 1- 969 1-1054 1-1055 1-1213
1-1214 1-1215 1-1216 1-1217 1-1353
1-1354 1-1733 1-1792 2- 665 2- 667
2- 669 2- 671 2- 674 2- 878 2- 883
2- 901 2-1019 2-1020 2-1021 2-1022
2-1023 2-1024 2-1182 2-1293 2-1456
2-1457 2-1458 2-1459 2-1462 2-1464
2-1465 2-1732 2-1852 2-1858 2-1862
2-1955 2-2048 2-2049 2-2050 2-2230
2-2236
-- USES IN SYNTHESES
1- 61 1- 64 1- 66 1- 252 1- 259
1- 433 1- 618 1- 623 1- 759 1- 760
1- 923 1-1395 1-1396 1-1397 1-1789
1-1792 2- 73 2- 75 2- 437 2- 907
2- 908 2- 909 2- 910 2-1065 2-1341
2-1344 2-1346 2-1546 2-1761 2-1762
2-2091 2-2093 2-2094
CARBON COMPOUNDS
SEE ALSO ORGANIC COMPOUNDS
-- CARBIDES METALLIC
1- 764 1-1814
-- CARBON DIOXIDE
1- 394 1- 396 1- 471 1- 540 1- 623
1- 760 1- 926 1-1213 1-1251 1-1354
1-1678 2- 202 2- 412 2- 883 2- 907
2-1065 2-1242 2-1341 2-1372 2-1456
2-1460
-- CARBON DISULFIDE
1-1791
-- CARBON MONOXIDE
1- 64 1- 926 1-1251
-- CARBON OXYSELENIDE
2- 328 2-1723
-- CARBON OXYSULFIDE
1- 159 1-1155 2- 327 2-1213 2-2047
-- CARBON TETRABROMIDE
2-1138
-- CARBON TETRACHLORIDE
1- 546 1-1818 1-1906 2- 128 2- 130
2- 437
-- CARBON TETRAHALIDES
1-1456
-- CARBONYL FLUORIDE
2-1208
CARBON TETRABROMIDE
-- EFFECTS OF RADIATION ON
2-1138
CARBON TETRACHLORIDE
-- ADSORPTION ON OXIDES
1-1906
-- EFFECTS OF RADIATION ON
1- 546
-- FLUORINATION OF
2- 128 2- 130
-- SYNTHESIS OF LABELED
2- 437
-- USES IN FLUOROCARBON PRODUCTION
-- USES IN SYNTHESIS
1- 259 1-1554 2- 920
CARBON C-14
-- BIOLOGICAL EFFECTS
1- 416 2- 35 2- 397
-- FORMATION OF
1- 62 1- 302 1- 469 2- 74 2- 174
2-1401
-- PROPERTIES NUCLEAR
1- 40 1- 159 1- 224 1- 540 1- 795
1- 998 1-1193 1-1233 1-1321 1-1322
1-1453 1-1698 1-1878 1-1931 2- 618
2- 783 2-1106 2-1372
-- RADIOAUTOGRAPHIC USES
1- 336 1-1195 2- 303
-- THERAPEUTIC USES
1-1818
CARBON TETRAHALIDES
-- STRUCTURE MOLECULAR
1-1456
CARBONYL FLUORIDE
-- SPECTRA
2-1208
CARMINIC ACID
-- REAGENT FOR THORIUM ANALYSIS
2- 716
CASEIN IODO-
-- SYNTHESIS OF LABELED
2-1545
CATS
-- EFFECTS OF RADIATION ON
1- 24 1- 418 2- 614 2-1320
-- METABOLISM AND TOXICOLOGY STUDIES
1- 46 1- 418 1-1734 2- 874 2-1513
2-2231
CATTLE
-- EFFECTS OF RADIATION ON
1- 245
-- METABOLISM AND TOXICOLOGY STUDIES
1- 713 2-1153
CELLOSOLVE DIETHYL
-- SOLUBILITY OF URANYL NITRATE IN
2-1741

CELLS
SEE ALSO BLOOD CELLS
-- EFFECTS OF DEUTERIUM COMPOUNDS ON
2-1787
-- EFFECTS OF RADIATION ON
1- 37 1- 39 1- 740 1- 894 2-1506
CELLULOSE
-- REACTION WITH FLUORINE
2- 84
CERAMICS
SEE REFRACTORIES
CERAMICS TESTING MACHINES
-- DESIGN AND CONSTRUCTION
2-1514
CERIUM
-- ANALYSIS
1-1204 1-1336 1-1940 1-1942 1-1966
2-1448 2-1708 2-1710 2-1713 2-1714
2-1715 2-1716 2-1720
-- METABOLISM AND TOXICOLOGY
2-1181 2-1326
-- OXIDATION AND REDUCTION STATES
1- 357 2-1878
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
2- 79
-- PROPERTIES NUCLEAR
1- 704
-- PROPERTIES PHYSICAL
1- 859
-- SEPARATION METHODS
1-1713
-- SPECTRA
1-1938
CERIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 704
-- PROPERTIES NUCLEAR
1-1715
-- TRACER APPLICATIONS
2-1326
CERIUM CE 135
-- PROPERTIES NUCLEAR,
1- 703 1-1042
CERIUM CE 137
-- PROPERTIES NUCLEAR
1- 703 1-1042 1-1203
CERIUM CE 139
-- PROPERTIES NUCLEAR
1- 703 1-1042
CERIUM CE-140
-- CROSS SECTION NEUTRON
1- 975 2-2137
CERIUM CE 141
-- FORMATION OF
1-1203
-- PROPERTIES NUCLEAR
2- 284
CERIUM CE 142
-- CROSS SECTION NEUTRON
1- 975 2-2137
CERIUM CE 143
-- FORMATION OF
1-1203 2-1666 2-1878
CERIUM CE 144
-- BIOLOGICAL EFFECTS
1- 416
CERIUM ALLOYS
-- PROPERTIES
1- 970
-- STRUCTURE CRYSTAL
2-1378
CERIUM COMPOUNDS
-- CERATE POTASSIUM FLUO-
1- 762 1- 763
-- CERATE SODIUM FLUO-
1- 762
-- CERIUM ACETYLACETONATE
1-1716
-- CERIUM AMMONIUM NITRATE
1- 357
-- CERIUM BROMIDE
1- 588
-- CERIUM CHLORIDE
1- 588
-- CERIUM HEXACYANOFERRATE
1-1336
-- CERIUM IODATE
1-1336
-- CERIUM NITRATE
2-1448
-- CERIUM OXALATE
1-1336
-- CERIUM OXIDE
1-1203 1-1336 1-1750 2- 284 2- 865
-- CERIUM OXINATE
1-1336
-- CERIUM PHOSPHATES
1- 705 1-1712
-- CERIUM SILICIDE
1- 585
-- CERIUM SULFATE
1- 880
-- CERIUM SULFIDES
1- 723 1-1097 1-1098 1-1099

CESIUM
-- ANALYSIS
1- 56
-- PRODUCTION
1-1621 1-1623
-- PROPERTIES CHEMICAL
2- 79
-- PROPERTIES NUCLEAR
1-1504
-- SEPARATION METHODS
2-1537 2-1538 2-1539 2-1678
CESIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 114 2-1659
CESIUM CS 131
-- FORMATION OF
1- 469 2-1402 2-1540
-- PROPERTIES NUCLEAR
2-1402 2-1599
CESIUM CS 133
-- PROPERTIES NUCLEAR
1- 538 1-1042 1-1715 2-1231
CESIUM CS 134
-- PROPERTIES NUCLEAR
1-1442 2- 1 2- 7
CESIUM CS 135
-- PROPERTIES NUCLEAR
2-1658
CESIUM CS 137
-- PROPERTIES NUCLEAR
1- 669 1- 691 1-1030 2- 255 2- 995
2-2200
CESIUM COMPOUNDS
-- CESIUM CHLORIDE
2-1917
-- CESIUM CHLOROPLUTONATE
1- 584
-- CESIUM FLUORIDE
1-1504 1-1908
-- CESIUM IODIDE
1-1912
-- CESIUM NITRATE
1-1586
-- CESIUM PEROXIDE
1-1573
CHALCONE EPOXIDE
-- REARRANGEMENT OF
1- 59 1- 861
CHAMBERS
SEE CLOUD CHAMBERS AND IONIZATION
CHAMBERS
CHANG AND ENG
-- DESIGN AND CONSTRUCTION
1-1647
CHEMICAL NOMENCLATURE
2- 434
CHICKENS
-- EFFECTS OF RADIATION ON
1- 896 1- 904 1-1237 1-1350 1-1896
2-1058
-- METABOLISM AND TOXICOLOGY STUDIES
1- 395 1- 710 1- 711 1- 876 1-1061
1-1350 1-1491 2- 41 2- 338 2-1461
2-1512 2-1730
CHLORELLA
SEE ALGAE
CHLORINE
-- ANALYSIS
1-1252
-- CROSS SECTION NEUTRON
2- 777
-- PROPERTIES CHEMICAL
2- 79
-- PURIFICATION
1- 620
-- RADIATION STOPPING BY
2-1171
-- SPECTRA
1-1903
CHLORINE CL-34
-- FORMATION OF
2-1968
CHLORINE CL-35
-- USES IN SYNTHESES
2- 331 2- 591
CHLORINE CL-36
-- PROPERTIES NUCLEAR
2-1272
CHLORINE CL-37
-- PROPERTIES NUCLEAR
1- 295
-- USES IN SYNTHESES
2- 331 2- 591
CHLORINE CL-38
-- PROPERTIES NUCLEAR
1-1187
CHLORINE COMPOUNDS
-- CHLORINE TRIFLUORIDE
2-1207
-- CHLOROFORM
2- 126
-- CHLOROSILANE
2- 591
CHLOROACETYL ASPARAGINE
SEE ASPARAGINE CHLOROACETYL

CHLOROETHANES
SEE SPECIFIC CHLOROETHANES LISTED UNDER ETHANE
CHLOROFORM
-- FLUORINATION OF
2- 128
CHLOROMETHANES
SEE ALSO SPECIFIC CHLOROMETHANES LISTED UNDER METHANES
CHLOROPHYLL
-- ROLE IN PHOTOSYNTHESIS
2-1294
CHLOROPROPYLENE
SEE PROPYLENE CHLORO
CHLOROTRIFLUOROETHYLENE
SEE ETHYLENE CHLOROTRIFLUORO-
CHLOROTRIFLUOROPROPANE
SEE PROPANE 3 CHLORO 1-TRIFLUORO-
CHOLANTHRENE 3-METHYL-
-- CANCER INDUCTION BY
1- 581
CHOLESTEROL
-- METABOLISM OF
1-1053 1-1784
CHOLINE
-- METABOLISM OF
1-1052 2-1465
CHROMIUM
-- ANALYSIS
1- 429 1-1394
-- CROSS SECTION NEUTRON
2- 526
-- PROPERTIES CHEMICAL
2- 79 2- 928
-- PROPERTIES METALLURGICAL
2- 158
-- PROPERTIES NUCLEAR
2-1814
-- SPECTRA
1-1048
-- STRUCTURE CRYSTAL
1-1109 1-1404
CHROMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- CROSS SECTION NEUTRON
2-1385
-- TRACER APPLICATIONS
2-1159
CHROMIUM CR-51
-- PROPERTIES NUCLEAR
1-1325
CHROMIUM ALLOYS
-- CORROSION
1-1597
-- PROPERTIES
2-2127 2-2129
CHROMIUM COMPOUNDS
-- ORGANIC DERIVATIVES
2-1159
CHROMOSOMES
-- EFFECTS OF RADIATION ON
1- 230 1- 231 1- 232 1- 233 1- 236
1- 237 1- 238 1- 239 1- 240 1- 247
1- 248 1- 408 1- 409 1- 603 1- 604
1- 605 1- 895 1- 898 1- 902 1-1245
1-1246 1-1529 1-1760 1-1762 2- 35
2- 704 2- 707 2-1055 2-1062 2-1506
2-1509 2-1510 2-1756
CHRYSENE
-- RADIATION DETECTION USES
2-1628
CITRIC ACID
-- ANALYSIS
2-1337
CLASSICAL MECHANICS
SEE ALSO QUANTUM MECHANICS AND STATISTICAL MECHANICS
1- 180 1- 188 1- 524 1- 684 1- 823
1- 824 1-1158 1-1403 1-1466 1-1468
1-1472 1-1588 1-1691 1-1694 1-1919
1-1921 2- 5 2- 95 2- 260 2- 269
2- 274 2- 603 2- 606 2- 824 2- 828
2- 831 2- 833 2- 946 2- 952 2-1118
2-1261 2-1426 2-1552 2-1650 2-2015
2-2017
CLOUD CHAMBERS
-- CONSTRUCTION AND OPERATION
1- 105 1- 106 1-1130 1-1663 1-1674
2- 554 2- 602 2-1056 2-1104 2-1425
-- ILLUMINATION OF
1- 104 2-1104 2-1642
COAL
-- COMBUSTION STUDIES
2- 350
-- DETERMINATION OF RARE EARTHS IN
2-2041
-- NEUTRON LOGGING OF
1-1666
COBALT
-- ANALYSIS
1-1968
-- ELECTROPLATING OF
2-1415
-- METABOLISM STUDIES WITH ISOTOPES
2- 679 2-1153
COBALT
-- SINTERING USES
2-1079
-- SPECTRA
1-1347
-- STRUCTURE CRYSTAL
1-1109 1-1404
COBALT ISOTOPES
-- FORMATION OF
1- 470
-- THERAPEUTIC USES
1- 346
-- TRACER APPLICATIONS
1- 387 2- 879 2-1153
COBALT CO 59
-- CROSS SECTION DEUTERON
1-1696
-- PROPERTIES NUCLEAR
2-1972
COBALT CO 60
-- PROPERTIES NUCLEAR
1-1150 1-1187 1-1442 2- 1 2- 7
2- 181 2- 624 2-1167 2-1245 2-2032
-- RADIOGRAPHIC USES
1-1515 2-1955
-- THERAPEUTIC USES
1- 560 2-1003
-- TRACER APPLICATIONS
2-1467 2-1469
COBALT CO 61
-- PROPERTIES NUCLEAR
2-1441
COBALT CO 62
-- PROPERTIES NUCLEAR
2-1441
COBALT CO 64
-- PROPERTIES NUCLEAR
2-1441
COBALT ALLOYS
-- PRODUCTION
2-1380
-- SPECTRA
1-1347
-- STRUCTURE CRYSTAL
1- 311 2-2128
COBALT COMPOUNDS
-- COBALT FERROCYANIDE
1-1515
-- COBALT FLUORIDE
1-1819 2-2110
-- COBALT OXIDE
1-1546
-- ORGANIC DERIVATIVES
2-1467
COCKCROFT WALTON ACCELERATORS
SEE ACCELERATORS PARTICLE
COINCIDENCE CIRCUITS
-- RADIATION DETECTION USES
1- 771 1-1870 2- 183 2- 559 2- 816
2-1109 2-2173
COLLISION THEORY
SEE ALSO SUBHEADING INTERACTION UNDER NUCLEAR PARTICLES AND SUBHEADING INTERACTION WITH PARTICLES UNDER SPECIFIC PARTICLES
SEE ALSO SUBHEADINGS DIFFUSION AND SCATTERING AND NUCLEAR REACTIONS UNDER SPECIFIC PARTICLES
1-1639 1-1674 1-1676 1-1689 1-1693
2- 258 2- 271 2- 272 2- 388 2- 606
2- 827 2-1114 2-1115 2-1121 2-1431
2-1654 2-1829 2-2192
COLLOIDS
SEE ALSO SPECIFIC COLLOIDS SUCH AS GOLD COLLOIDS
-- PARTICLE SIZE DETERMINATION
2-1170
COLUMBIUM
-- ANALYSIS
2-1222 2-1595
-- METABOLISM AND TOXICOLOGY
1- 43 2-1181
-- PRODUCTION
1-1623
-- SEPARATION METHODS
1-1706
-- SPECTRA
1-1048
COLUMBIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1129
-- TRACER APPLICATIONS
1- 43
-- USES IN SYNTHESES
1- 60
COLUMBIUM CB 93
-- CROSS SECTION NEUTRON
2-2143
-- PROPERTIES NUCLEAR
2- 233
COLUMBIUM CB 95
-- PROPERTIES NUCLEAR
1-1706 2- 999
COLUMBIUM ALLOYS
-- PROPERTIES PHYSICAL
2-1080 2-2127

COLUMBIUM COLLOIDS
-- PREPARATION
2-1859
COLUMBIUM COMPOUNDS
-- COLUMBIUM CARBIDE
2-1079
COMPUTERS
-- CONSTRUCTION AND OPERATION
2-1573
CONCRETE
-- ABSORPTION OF RADIATION BY
2- 379 2- 490
CONTAMINATION RADIOACTIVE
SEE SUBHEAD CONTAMINATION RADIOACTIVE UNDER AIR WATER ETC
COPPER
-- ANALYSIS
1-1968 2-1491
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
2- 527 2- 777 2-1385
-- EFFECTS OF RADIATION ON
1- 997
-- METABOLISM STUDIES WITH ISOTOPES
1- 713 2-1153
-- PROPERTIES NUCLEAR
1-1008 1-1014 2- 687
-- PROPERTIES PHYSICAL
2- 160 2-2125
-- RADIATION ABSORPTION BY
1- 728 1-1374 2- 373 2- 375 2- 376
2-1165 2-1166
-- RADIATION STOPPING BY
2-1885
-- STRUCTURE CRYSTAL
1-1109 1-1404 2- 117
COPPER ISOTOPES
-- TRACER APPLICATIONS
1- 387 1- 577 2-1032 2-1153
COPPER CU 61
-- PROPERTIES NUCLEAR
1- 696
COPPER CU 62
-- FORMATION OF
1- 498 2-1598
COPPER CU 63
-- CROSS SECTION DEUTERON
1-1896
-- CROSS SECTION GAMMA
1-1483 1-1895
-- CROSS SECTION NEUTRON
2-1598
-- ISOTOPIC SEPARATION
1- 960
-- PROPERTIES NUCLEAR
1-1863 2-1404
COPPER CU 64
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 143 1-1033 1-1325 1-1699 1-1863
2- 216 2- 282 2- 617 2- 967 2-1142
2-1437 2-2021 2-2207
-- TRACER APPLICATIONS
1- 713 2- 344
COPPER CU 65
-- PROPERTIES NUCLEAR
2-1404
COPPER CU 66
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143
COPPER ALLOYS
-- EFFECTS OF RADIATION ON
2-1086
-- PRODUCTION
2-1083 2-1380
-- PROPERTIES PHYSICAL
2- 160 2- 762
-- STRUCTURE CRYSTAL
1- 311 2-2128
COPPER COMPOUNDS
-- COPPER BROMIDE
2- 348
-- COPPER OXIDE
2-1032
-- COPPER SULFATE
2- 945
COPPER IONS
-- DIFFUSION
2-1032
-- PROPERTIES MAGNETIC
2- 945
COPROPORPHYRIN
-- METABOLISM AND TOXICOLOGY STUDIES
1- 892
CORROSION
SEE ALSO SUBHEAD CORROSION UNDER METALS AND SPECIFIC METALS
-- BIBLIOGRAPHY
1- 927 1- 929
-- INHIBITORS
1- 436 1-1558 2- 88 2- 730 2- 731

CORROSION
-- PREVENTION
1- 929
-- RESISTANCE OF MATERIALS TO
1-1772
CORTICOSTERONES
SEE DESOXYCORTICOSTERONE
COSMIC RADIATION
SEE ALSO ASTROPHYSICS AND MESONS
-- ALPHA PARTICLES IN
2- 445 2-1206 2-1766
-- BIOLOGICAL EFFECTS
1- 32 1- 244 1- 734
-- DETECTION AND MEASUREMENT
1- 69 1- 71 1- 74 1- 261 1- 439
1- 441 1- 828 1- 904 1-1104 1-1400
1-1561 1-1565 1-1569 1-1644 1-1660
1-1802 1-1803 2- 91 2- 93 2- 100
2- 109 2- 115 2- 116 2- 446 2- 451
2- 732 2- 740 2- 745 2-1066 2-1068
2-1071 2-1195 2-1347 2-1349 2-1351
2-1353 2-1356 2-1559 2-1755 2-1767
2-1782 2-1898 2-1900 2-1902 2-1903
2-2101
-- ELECTRONS IN
1- 78 1- 440 1-1799 2- 95 2- 100
2-1189 2-1205 2-1353 2-1355 2-1359
2-1365 2-1366 2-1553 2-1558 2-1559
2-1567 2-1768 2-1769 2-1780 2-1782
2-1908 2-2098
-- MESON PHENOMENA
1- 76 1- 79 1- 262 1- 297 1- 440
1- 445 1- 515 1- 625 1- 626 1- 629
1- 655 1- 761 1- 807 1- 811 1- 829
1- 930 1- 933 1- 934 1- 935 1- 984
1-1002 1-1105 1-1259 1-1300 1-1399
1-1422 1-1424 1-1562 1-1564 1-1615
1-1616 1-1843 1-1844 2- 90 2- 92
2- 93 2- 94 2- 95 2- 97 2- 98
2- 99 2- 100 2- 101 2- 106 2- 107
2- 108 2- 110 2- 114 2- 116 2- 442
2- 443 2- 447 2- 449 2- 450 2- 452
2- 453 2- 454 2- 457 2- 458 2- 733
2- 735 2- 737 2- 738 2- 739 2- 740
2- 741 2- 742 2- 744 2- 745 2- 911
2- 912 2- 913 2-1058 2-1070 2-1071
2-1191 2-1192 2-1193 2-1195 2-1196
2-1197 2-1201 2-1202 2-1203 2-1348
2-1350 2-1352 2-1353 2-1357 2-1358
2-1361 2-1362 2-1363 2-1366 2-1547
2-1548 2-1551 2-1552 2-1554 2-1556
2-1562 2-1563 2-1565 2-1768 2-1770
2-1773 2-1774 2-1778 2-1784 2-1908
2-1912 2-1915 2-2096 2-2097 2-2102
2-2104 2-2107
-- NEUTRONS IN
1- 73 1- 260 1- 302 1- 655 1- 983
1- 984 1-1566 2- 103 2- 538 2-1561
2-1566 2-1775 2-1781
-- NUCLEAR REACTIONS
1- 167 1- 303 1- 304 1- 934 1-1151
1-1401 1-1403 1-1563 1-1565 1-1618
1-1801 2- 460 2-1354 2-1555 2-1557
2-1767 2-1770
-- ORIGIN
1- 932 1-1106 2- 441 2- 448 2-1067
2-1070 2-1364 2-1564 2-1772 2-1776
2-1779 2-1907 2-2103
-- PROPERTIES
1- 70 1- 72 1- 77 1- 442 1- 627
1- 630 1- 631 1- 761 1-1399 1-1436
2- 92 2- 93 2- 102 2- 103 2- 743
2-1548
-- PROTONS IN
2- 98 2- 101 2- 112 2- 113 2- 440
2- 445 2- 451 2- 742 2- 743 2-1196
2-1201 2-1349 2-1355 2-1362 2-1366
2-1777 2-1899 2-1905 2-1914
-- SHOWER AND BURST CHARACTERISTICS
1- 75 1- 443 1- 444 1- 931 1-1107
1-1402 1-1564 1-1567 1-1568 1-1799
1-1800 1-1804 2- 96 2- 110 2- 111
2- 443 2- 455 2- 456 2- 458 2- 459
2- 460 2- 734 2- 736 2- 737 2- 742
2- 915 2-1069 2-1188 2-1189 2-1190
2-1194 2-1197 2-1199 2-1200 2-1204
2-1205 2-1354 2-1355 2-1359 2-1360
2-1365 2-1550 2-1553 2-1555 2-1557
2-1558 2-1567 2-1568 2-1769 2-1771
2-1777 2-1780 2-1781 2-1900 2-1901
2-1904 2-1906 2-1909 2-1910 2-1911
2-1912 2-1913 2-1914
-- THERAPEUTIC USES
2-1844
CREATINE
-- METABOLISM OF
1- 374 1-1052 2-1465
CREATININE
-- TEST FOR URANIUM POISONING
1- 749 1-1093
CROSS SECTIONS
SEE SUBHEAD CROSS SECTION UNDER SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD MEASUREMENT OF UNDER NEUTRON CROSS SECTIONS

CRUCIBLES
-- PREPARATION OF
1- 909 1- 910 1- 911 1- 912 1-1099
1-1548
CRYOGENICS
2- 786 2- 799
CRYSTAL DETECTORS
SEE SCINTILLATION AND CRYSTAL DETECTORS
CRYSTAL STRUCTURE
SEE STRUCTURE CRYSTAL
CRYSTALLOGRAPHY
SEE ALSO ANALYSIS - DIFFRACTION STRUCTURE CRYSTAL AND SUBHEAD STRUCTURE CRYSTAL UNDER SPECIFIC ELEMENT
-- CRYSTAL GROWING TECHNIQUES
1-1108 1-1260 2-1112
-- DIFFRACTION PATTERN MEASUREMENTS
1- 936 1- 938 1-1572 1-1575 2- 117
2- 118 2- 119 2- 120 2- 122 2- 463
2-1368 2-1765
-- EQUIPMENT AND TECHNIQUES
1- 58 1- 464 1- 937 2- 123 2- 461
2- 466 2- 468
-- TABLES
1-1404
CURIUM
-- DISCOVERY AND NAMING
1-1513
-- METABOLISM AND TOXICOLOGY
2-1161
-- OXIDATION AND REDUCTION STATES
1-1065 1-1068 2-1480
-- PROPERTIES CHEMICAL
1- 207 1-1959 2- 351 2- 678 2-1480
-- PROPERTIES METALLURGICAL
1-1959
-- PROPERTIES NUCLEAR
2- 351
-- PROPERTIES PHYSICAL
1- 207
-- SEPARATION METHODS
1- 878
-- SPECTRA
1- 878
-- STRUCTURE ATOMIC
2-1479
CURIUM ISOTOPES
-- FORMATION OF
1- 470
CURIUM CM 238
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 239
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM-240
-- FORMATION OF
1-1065
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960
CURIUM CM 241
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960
CURIUM CM 242
-- FORMATION OF
1- 878 1-1065
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960 2-1475
CURIUM CM 243
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 244
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 245
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 246
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 247
-- PROPERTIES NUCLEAR
1-1960
CURRENT AMPLIFIERS
-- CONSTRUCTION AND OPERATION
2- 541 2-1926
CYANAMIDE
-- SYNTHESIS OF LABELED
1-1395
CYANOACETAMIDE
-- SYNTHESIS OF LABELED
2-1764
CYANOGEN BROMIDE
-- SPECTRA
2- 327
CYANOGEN CHLORIDE
-- SPECTRA
2- 327
CYANOGEN IODIDE
-- SPECTRA
2- 327
CYCLOHEPTANEDIONEDIOXIME
-- SYNTHESIS OF
2-2090
CYCLOHEXANE
-- CROSS SECTION NEUTRON
1- 989
CYCLOHEXANE PERFLUORODIMETHYL-
-- SOLUBILITY OF WATER IN
1-1406
CYCLOPROPANE HEXAFLUORO
-- STRUCTURE OF
1-1110 1-1111 1-1112
CYCLOTRONS
SEE ACCELERATORS PARTICLE
CYSTEINE
-- METABOLISM OF
2-2052
-- SYNTHESIS OF LABELED
2-1125
CYSTINE
-- METABOLISM OF
1- 569
-- SYNTHESIS OF LABELED
2-1125
CYTOCHROME C
-- SYNTHESIS OF LABELED
2- 336
CYTOSINE
-- ANALYSIS
2-2086
-- METABOLISM OF
2-1466
-- SYNTHESIS OF LABELED
2-1466

DARK TRACE TUBES
SEE ALSO ELECTRONMULTIPLIER PHOTOMULTIPLIER VACUUM AND X-RAY TUBES
-- THEORY
2- 222 2- 223 2- 224
DECAY SERIES
SEE ALSO RADIOACTIVITY
-- ACTINIUM FAMILY
1- 835 2- 989 2-1144
-- GENERAL AND THEORETICAL
1- 190 2- 620 2- 623 2-1273 2-2000
-- NEPTUNIUM FAMILY
1- 193 1- 542 1-1316 2- 989 2-2198
-- THORIUM FAMILY
1- 192 1- 835 2- 989 2-1143 2-1144
2-1440
-- URANIUM-RADIUM FAMILY
2- 843
DECONTAMINATION RADIOACTIVE
SEE ALSO SUBHEAD CONTAMINATION RADIOACTIVE UNDER AIR WATER ETC
SEE ALSO HEALTH PHYSICS AND RADIATION HAZARDS AND PROTECTION
-- PROCEDURES AND PRECAUTIONS
2-1075 2-1792
DESOXYCORTICOSTERONE
-- RADIATION SICKNESS THERAPY USING
1- 322 1-1315 2-2019
DESOXYRIBONUCLEIC ACID
SEE NUCLEIC ACIDS
DETONATION WAVES
-- IN NUCLEAR EXPLOSIONS
2-1310
DEUTERIUM
SEE ALSO HYDROGEN AND TRITIUM
-- ANALYSIS
1- 264 2-1369
-- CROSS SECTION DEUTERON
1- 263 2- 948 2-1619
-- CROSS SECTION NEUTRON
1-1633 2- 777 2-1394
-- CROSS SECTION TRITON
1-1010 1-1160
-- DIFFUSION PUMP FOR
2- 277
-- EFFECTS OF RADIATION ON
2- 167 2-1395
-- FISSION PRODUCTS STOPPING BY
1-1632
-- PROPERTIES NUCLEAR
1-1435 2- 169 2- 173 2- 229 2- 378
2- 470 2- 536 2- 893 2-1045 2-1074
2-1404 2-1619 2-1987
-- PROPERTIES PHYSICAL
1- 188 2-1261
-- RADIATION SCATTERING BY
1- 401
-- SPECTRA
1-1343
-- TRACER APPLICATIONS
1-1052 1-1211 2-1294 2-1465
DEUTERIUM COMPOUNDS
-- DEUTERIDE ARSENIC
2- 330 2-1370
-- DEUTERIDE TRITIUM
2- 469
-- DEUTERIDE URANIUM
2-1043
-- DEUTERIUM HYDROGEN OXIDE
2- 746
-- DEUTERIUM OXIDE
1- 598 1-1010 1-1586 1-1615 1-1616
2- 167 2-1339 2-1369 2-1787 2-1882

DEUTERIUM COMPOUNDS
-- DEUTERIUM SELENIDE
1- 80
-- DEUTERIUM SULFIDE
1- 80
-- DEUTERIUM TELLURIDE
1- 80
-- DEUTEROBUTANES
1-1585
-- DEUTEROETHANES
1-1211
-- DEUTEROMETHANES
1-1211 1-1861 2-1233
-- DEUTEROPROPANES
1-1211
DEUTEROETHANES
SEE DEUTERIUM COMPOUNDS
DEUTERONS
SEE ALSO NUCLEAR PARTICLES
-- ABSORPTION
1- 728 2- 383 2-1500
-- BIOLOGICAL EFFECTS
1- 33 1- 419 1- 735 2-1890
-- CHEMICAL EFFECTS
1- 697 1- 751
-- CROSS SECTION GAMMA
2-1395
-- DETECTION AND MEASUREMENT
1- 148 1- 149 1- 505 1-1152 2-1256
2-1257 2-2009
-- DIFFUSION AND SCATTERING
1- 401 1- 933 1-1434 1-1657 2- 170
2- 377 2- 384 2- 388 2- 528 2- 893
2-1045 2-1308 2-1394 2-1634
-- IONIZATION PRODUCED BY
2-2069
-- NUCLEAR REACTIONS
1- 67 1- 170 1- 206 1- 263 1- 298
1- 300 1- 305 1- 470 1- 519 1- 520
1- 543 1- 671 1- 693 1- 812 1- 814
1- 835 1- 879 1- 884 1-1006 1-1007
1-1008 1-1014 1-1035 1-1042 1-1066
1-1161 1-1189 1-1323 1-1432 1-1433
1-1487 1-1700 1-1705 1-1715 1-1883
1-1896 1-1915 1-1941 2- 104 2- 177
2- 229 2- 291 2- 298 2- 299 2- 351
2- 376 2- 384 2- 531 2- 536 2- 566
2- 639 2- 640 2- 812 2- 846 2- 893
2- 947 2- 948 2- 992 2- 993 2-1014
2-1045 2-1335 2-1392 2-1402 2-1438
2-1449 2-1473 2-1477 2-1486 2-1489
2-1499 2-1609 2-1613 2-1614 2-1618
2-1619 2-1620 2-1634 2-1685 2-1813
2-1883 2-1971 2-1987 2-1991 2-2027
2-2059 2-2071 2-2139 2-2149 2-2150
2-2194 2-2199 2-2209 2-2220 2-2222
-- PROPERTIES
1- 507 1- 508 1- 668 1-1012 2- 175
2- 230 2- 470 2- 564 2- 567 2- 781
2- 946 2-2147
-- RANGES IN MATERIALS
2-1165 2-1882
-- SPIN AND MOMENT
1-1884 1-1943 2- 230 2- 946
-- THERAPEUTIC USES
1- 419 1- 735
-- WAVE EQUATIONS FOR
1- 335 1- 668 2- 564 2- 567
DEUTEROMETHANES
SEE DEUTERIUM COMPOUNDS
DEUTEROPROPANES
SEE DEUTERIUM COMPOUNDS
DIAMINOBENZIDINE
SEE BENZIDINE DIAMINO-
DIAMOND
SEE ALSO CARBON AND GRAPHITE
-- RADIATION DETECTION USES
1- 274 2- 545 2- 803
-- STRUCTURE CRYSTAL
2- 545
DIAMOND MINES
-- GAMMA RAY LOGGING OF
2-2008
DIAPHRAGMS
-- SILVER
1-1174
DIBENZANTHRACENE
-- EFFECT ON NUCLEIC ACIDS METABOLISM
2- 397
-- METABOLISM OF
1-1216 1-1353
DIBORANE
-- SYNTHESIS
2-1753
DIBROMOACETOPHENONE
SEE ACETOPHENONE DIBROMO-
DIBROMOPROCAINE
SEE PROCAINE DIBROMO
DICHLOROBENZENE
SEE BENZENE DICHLORO
DIELECTRIC CONSTANTS
-- MEASUREMENT OF
2-1374
DIETHYL CELLOSOLVE
SEE CELLOSOLVE DIETHYL
DIETHYL ETHER
SEE ETHER DIETHYL
DIETHYL FLUOROPHOSPHATE
-- TOXICITY OF
1-1390
DIFFRACTION OF RADIATION
SEE SUBHEAD DIFFRACTION UNDER SPECIFIC PARTICULATE AND WAVE RADIATIONS SUCH AS NEUTRONS X RADIATION ETC
DIFFUSION OF RADIATION
SEE SUBHEAD DIFFUSION AND SCATTERING UNDER SPECIFIC PARTICULATE OR WAVE RADIATION
DIFFUSION PHENOMENA
SEE ALSO SUBHEADS GASEOUS DIFFUSION AND THERMAL DIFFUSION UNDER ISOTOPES SEPARATION METHODS
-- GASES
2- 249
-- LIQUIDS
2- 676
-- SOLIDS
2-1300
-- THEORY
1- 450
DIGITOXIN
-- SYNTHESIS OF LABELED
2- 75
DIHEXYL ETHER
SEE ETHYL DIHEXYL
DIIODOFLUORESCEIN
SEE FLUORESCEIN DIIODO-
DIISOPROPYL FLUOROPHOSPHATE
-- SYNTHESIS OF LABELED
2- 436
-- TOXICITY OF
1-1390
DILATOMETERS
-- FOR METALLURGICAL RESEARCH
1-1849
DIMETHYL FLUOROPHOSPHATE
-- TOXICITY OF
1-1390
DINITROPHENOL
SEE PHENOL DINITRO-
DISINTEGRATION NUCLEAR
SEE SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD NUCLEAR REACTIONS UNDER SPECIFIC PARTICULATE AND WAVE RADIATIONS
DITHIOPROPANOL
SEE PROPANOL 2-3 DITHIO
DITHIZONE
-- ANALYTICAL REAGENT FOR ZN
1- 913
DOGS
-- EFFECTS OF RADIATION ON
1-1314 1-1473 2- 23 2-1434 2-1509
2-1891
-- METABOLISM AND TOXICOLOGY STUDIES
1- 42 1- 367 1- 372 1- 391 1- 420
1- 573 1- 607 1- 608 1- 612 1- 708
1- 750 1- 907 1-1212 1-1533 1-1534
2- 47 2- 342 2- 410 2- 696 2-1018
2-1019 2-1020 2-1178 2-1512 2-1860
2-2048
DOSIMETERS
-- CONSTRUCTION AND OPERATION
2- 556
DROSOPHILA
SEE INSECTS
DUCKS
-- METABOLISM AND TOXICOLOGY STUDIES
1- 363 1-1057
DUST HAZARDS
SEE ALSO HEALTH PHYSICS AND SUBHEAD METABOLISM AND TOXICOLOGY UNDER SPECIFIC ELEMENTS SUCH AS BERYLLIUM
-- BERYLLIUM COMPOUNDS
1- 266 1- 268 1- 420 1- 421 1-1536
1-1537 1-1538 1-1539 1-1540 1-1541
2- 45 2- 46 2- 48 2- 750 2-1371
2-1513 2-1793 2-2113
-- FLUORINE COMPOUNDS
1- 753 2- 487 2- 711
-- GRAPHITE
1- 267
-- PLUTONIUM COMPOUNDS
1- 682
-- RADIUM COMPOUNDS
1- 610
-- SODIUM COMPOUNDS
2- 46
-- URANIUM COMPOUNDS
1- 41 1- 398 1- 611 1- 612 1- 682
1- 767 1-1964 2- 409 2- 698
DUST PARTICLES
-- DETECTION AND MEASUREMENT
2-1574
DYSPROSIUM
-- ANALYSIS
2-2041
-- SPECTRA
1-1334 2- 649
DYSPROSIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1333 2- 653 2-1721
-- PROPERTIES NUCLEAR
1-1941

DYSPROSIUM DY-165
-- CROSS SECTION NEUTRON
1- 136

EAR DISEASES
-- RADIATION THERAPY
2-1013
EARTH
SEE ALSO GEOPHYSICS
-- AGE OF
2- 481 2- 483 2- 990 2-1570 2-1790
2-1791 2-2073
EGGS AND LARVAE
SEE ALSO SPERMATOZOA
-- EFFECTS OF RADIATION ON
1- 40 1- 230 1- 237 1- 247 1- 248
1- 895 1-1384 2- 27 2- 704 2-1057
2-1756
-- METABOLISM OF CALCIUM
2-1730
-- METABOLISM OF PHOSPHORUS
2- 338
-- RESPONSE TO HORMONES
2-1324
ELASTOMERS
SEE RUBBER AND ELASTOMERS
ELECTRIC CURRENT
-- MEASUREMENT OF
2-1932
ELECTRICAL CONDUCTIVITY
-- CRYSTALS
2-1072
ELECTROCHEMISTRY
SEE ALSO SUBHEADS ELECTROLYTIC POLAROGRAPHIC AND POTENTIOMETRIC UNDER ANALYSIS
SEE ALSO SUBHEAD OXIDATION AND REDUCTION STATES UNDER SPECIFIC ELEMENTS
-- RADIOACTIVE MATERIALS
2- 300
ELECTRODES
-- DEPOSITION EQUATIONS FOR
1-1173
-- MEASUREMENT OF HYDROGEN IONS WITH
2-1186
-- URANIUM AND HYDROGEN FUNCTIONS OF
2-1162
ELECTROLYTIC ISOTOPES SEPARATION
SEE ISOTOPES SEPARATION METHODS
ELECTROMAGNETIC FIELD THEORY
SEE ALSO MESON FIELD THEORY
SEE ALSO SUBHEADING THEORY OF UNDER NUCLEAR FORCES AND RADIATION
1- 180 1- 187 1- 189 1- 297 1- 316
1- 319 1- 534 1- 684 1-1158 1-1463
1-1468 1-1472 1-1678 1-1679 1-1682
1-1684 1-1692 1-1693 1-1921 2- 260
2- 262 2- 269 2- 271 2- 272 2- 273
2- 599 2- 606 2- 610 2- 823 2-1116
2-1118 2-1121 2-1260 2-1410 2-1426
2-1428 2-1429 2-1430 2-1653 2-2012
2-2015 2-2018 2-2181 2-2188 2-2191
2-2192
ELECTROMAGNETIC FIELDS
SEE ALSO ELECTROMAGNETIC WAVES AND MAGNETIC FIELDS
-- EFFECTS ON RADIATION DETECTORS
2-1191
-- ENERGY PROPAGATION IN
2-1116
-- INTERACTION WITH PARTICLES
1- 297 1- 508 1- 511 1-1468 1-1472
1-1679 1-1682 1-1684 2- 260 2- 262
2- 269 2- 607 2- 608 2- 823 2-1653
2-2012 2-2015 2-2018
-- PARTICLE MOTION IN
1- 180 1- 316 1-1158 1-1468 1-1684
1-1691 1-1921 2- 260 2- 606 2- 607
2- 790 2- 824 2-1073 2-1115 2-1426
2-1429 2-1501 2-1645 2-2012 2-2018
2-2188
-- PROPERTIES
2- 599 2- 606 2-2191
-- QUANTIZATION OF
1_F 653 1-1687 2- 260 2- 265 2- 269
2- 271 2- 273 2-1428 2-1429 2-1430
ELECTROMAGNETIC ISOTOPES SEPARATION
SEE ISOTOPES SEPARATION METHODS
ELECTROMAGNETIC WAVES
-- IN PARTICLE ACCELERATORS
1- 532 1-1686 2- 238
-- PROPAGATION
1-1693 2- 254 2- 599 2-1116 2-2135
-- TRANSIENT PHENOMENA
2-1410
ELECTROMETER TUBES
SEE ALSO DARK TRACE ELECTRON-MULTIPLIER PHOTOMULTIPLIER AND X RAY TUBES
-- CONSTRUCTION AND OPERATION
1- 92 1- 93 1- 94 1- 503 1- 974
1-1276 1-1678 2- 186
ELECTRON DIFFRACTION CAMERAS
SEE CAMERAS

ELECTRON LENSES
-- CHARACTERISTICS OF
1-1604 1-1605 2- 140 2- 753
ELECTRON MICROSCOPES
SEE ALSO ION MICROSCOPES AND PROTON MICROSCOPES
-- USES AND TECHNIQUES
1- 101 1- 482 1- 951 1-1122 1-1413
1-1416 1-1436 1-1830 1-1834 2- 120
2- 141 2- 142 2- 145 2- 916 2-1211
2-1796 2-2120 2-2121
ELECTRON TUBES
SEE ELECTRONMULTIPLIER PHOTOMULTIPLIER VACUUM AND X-RAY TUBES
ELECTRONICS
SEE SUCH HEADINGS AS DARK TUBES ELECTRONMULTIPLIER TUBES PHOTOMULTIPLIER TUBES VACUUM TUBES AND X-RAY TUBES
SEE RADIATION DETECTION INSTRUMENTS
ELECTRONMULTIPLIER TUBES
SEE ALSO DARK TRACE ELECTROMETER PHOTOMULTIPLIER VACUUM AND X-RAY TUBES
-- CONSTRUCTION AND OPERATION
1-1652
-- RADIATION DETECTION USING
1- 775 1- 815 1-1651 2- 541 2-1103
-- SPECTRA DETERMINATIONS WITH
2- 871
-- X-RAY MEASUREMENTS WITH
2- 461
ELECTRONS
SEE ALSO BETA PARTICLES NUCLEAR PARTICLES POSITRONS AND RADIATION
-- ABSORPTION
1-1003 2- 588 2- 894
-- ACTION IN ELECTROMAGNETIC FIELDS
1-1158 1-1468 1-1684 1-1691 1-1921
2- 260 2- 606 2- 607 2- 824 2-1073
2-1115 2-1426 2-1501 2-2012 2-2188
-- ACTION IN MAGNETIC FIELDS
1-1137 2- 828
-- BIOLOGICAL EFFECTS
1- 733 1- 743 1- 894
-- CAPTURE BY IONS
2- 586
-- CAPTURE BY NUCLEI
1- 155 2-1438 2-1811 2-1826
-- CHEMICAL EFFECTS
1- 198 1- 697
-- DETECTION AND MEASUREMENT
1- 662 1- 665 1- 993 1-1302
-- DIFFRACTION
1- 313 1- 448 1- 617 1- 915 1-1261
1-1556 1-1813 2- 464 2- 466
-- DIFFUSION AND SCATTERING
1- 595 1- 626 1-1235 1-1524 1-1667
1-1668 1-1943 2- 5 2- 380 2-1115
2-1501 2-1750
-- EMISSION FROM BORON
2- 253
-- EMISSION FROM GERMANIUM
2- 253 2- 932
-- EMISSION FROM GRAPHITE
2- 794
-- EMISSION FROM METAL SURFACES
2-1627
-- EMISSION FROM NICKEL
2- 787
-- EMISSION FROM TELLURIUM
2- 253
-- EMISSION FROM THORIA
2- 255
-- EMISSION FROM TUNGSTEN
2- 255
-- FROM MESON DECAY
2- 106 2- 108 2- 114 2-1361 2-2097
2-2099 2-2104 2-2107
-- IDENTIFICATION WITH BETA PARTICLES
1- 315
-- IN COSMIC RADIATION
1- 78 1- 440 1-1799 2- 96 2- 100
2-1189 2-1205 2-1353 2-1355 2-1359
2-1365 2-1366 2-1553 2-1558 2-1559
2-1567 2-1768 2-1769 2-1780 2-1782
2-1908 2-2098
-- INTERACTION WITH PARTICLES
1-1468 1-1680 1-1919 2- 821 2-1114
-- IONIZATION PRODUCED BY
1-1176 1-1450 1-1912 2-2164
-- LEVELS IN ATOMS
1- 165 1- 314 1- 527 1- 530 1- 825
1-1028 1-1570 1-1571 2-1260
-- PROPERTIES
1- 184 1- 528 1- 529 1-1560 1-1676
1-1686 2- 156 2- 601 2- 788 2- 791
2- 967 2-1073 2-1630 2-1653
-- RADIOGRAPHIC USES
1-1490
-- SOURCES
1- 313 1-1129 1-1405 1-1432 2- 505
2- 918
-- SPIN MOMENT AND POLARIZATION
1- 316 1- 534 1- 681 1- 800 1- 802
1-1346 1-1681 1-1682 1-1683 1-1921

ELECTRONS
-- WAVE EQUATIONS FOR
1- 185 1- 321 1- 527 1- 832 1-1158
1-1463 1-1467 1-1468 1-1560 1-1682
1-1684 1-1919 2- 5 2- 338 2- 359
2- 373 2- 374 2- 601 2- 602 2- 603
2- 606 2- 607 2- 824 2- 827 2- 831
2- 979 2-1114 2-1270 2-1426 2-1431
2-1634 2-2016 2-2184
ELECTROSCOPES
-- CONSTRUCTION AND OPERATION
1- 503 1- 942 1-1147 1-1880 1-1931
2-1643 2-1816
ELECTROSTATIC GENERATORS
-- AUXILIARIES
1- 90 1-1750
-- CONSTRUCTION AND OPERATION
1- 88 1- 271 1- 819 1-1535 1-1644
1-1899 1-1919 2-1240 2-2157
-- RADIATIONS FROM
2-2154
ELECTROSTATIC PRECIPITATORS
-- CONSTRUCTION AND OPERATION
1- 890
ELEMENT 61
SEE PROMETHEUM
ELEMENTS
SEE ALSO INDIVIDUAL ELEMENTS
-- ABUNDANCE AND DISTRIBUTION
2-1978
-- FORMATION AND ORIGIN
2- 499 2-500 2-1982 2-1986
-- PROPERTIES PHYSICAL
2- 594
ELEMENTS ACTINIDE
SEE ALSO SPECIFIC ACTINIDE ELEMENTS
-- STRUCTURE ATOMIC
2-1479
ELEMENTS HEAVY
SEE ALSO SPECIFIC HEAVY ELEMENTS
-- CROSS SECTION NEUTRON
2-2143
-- PRODUCTION
1-1032
-- PROPERTIES NUCLEAR
2- 620 2-1133 2-1273 2-2197 2-2206
ELEMENTS TRANSURANIC
SEE ALSO SPECIFIC TRANSURANIC ELEMENTS
SUCH AS PLUTONIUM ETC
-- PROPERTIES CHEMICAL
1-1357
-- PROPERTIES NUCLEAR
2- 774 2-1093 2-1214
ENDOCRINE GLANDS
SEE SPECIFIC ENDOCRINE GLANDS
ENZYME SYSTEMS
SEE ALSO ENZYMES
-- EFFECTS OF RADIATION ON
1- 741 2- 23 2-1793 2-1835 2-2079
-- EFFECTS OF URANIUM COMPOUNDS ON
2- 49
ENZYMES
SEE ALSO CARBOHYDRATES LIPIDS AND
PROTEINS
-- CYTOCHROMES
2- 336
-- HYALURONIDASE
2- 280 2-1835
-- LYSOZYME
2- 23
-- PHOSPHATASE
1- 863
-- PHOSPHORYLASE
1-1217
-- THROMBIN
2- 710
-- THROMBOKINASE
2- 710
EQUATIONS OF STATE
SEE THERMODYNAMICS AND SUBHEAD
EQUATIONS OF STATE UNDER GASES
ERBIUM
-- ANALYSIS
1-1939 2-2041
-- CROSS SECTION NEUTRON
2- 166
-- PROPERTIES NUCLEAR
2-2141
-- SPECTRA
1- 563 1-1334 2- 649
ERBIUM COMPOUNDS
-- ERBIUM CHLORIDE
2- 654
-- ERBIUM FERROCYANIDE
1-1939
ERGOSTEROL
SEE VITAMIN D
ERYTHROCYTES
SEE BLOOD CELLS
ESCHERICHERIA
SEE BACTERIA
ESTRADIOL BENZOATE
SEE ESTROGENS
ESTRADIOL DIPROPIONATE
SEE ESTROGENS
ESTROGENS
SEE ALSO HORMONES
-- EFFECTS ON BONE GROWTH
1- 574 1- 575
-- EFFECTS ON IRRADIATED OVARIES
2-1056 2-2211
-- EFFECTS ON THYROID METABOLISM
1-1739
-- SYNTHESIS OF LABELED
1- 925
ETHANE TETRACHLORO
-- FLUORINATION OF
2- 128 2- 129 2- 130
ETHANE PENTACHLORO
-- FLUORINATION OF
2- 129 2- 130
ETHANE MONODEUTERO-
-- MASS SPECTRA
1-1211
ETHANE TRIFLUORO
-- MOMENT OF INERTIA
1-1590
-- SPECTRA
2- 131
ETHANOL
SEE ETHYL ALCOHOL
ETHER DIETHYL
-- EFFECT ON PHOSPHORUS METABOLISM
2-1296
-- NEUTRON RETARDATION BY
1- 291
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
ETHER DIHEXYL
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
ETHER ISOPROPYL
-- SOLVENT EXTRACTION USES
1- 917 2-1895
ETHYL ACETATE
SEE ACETATE ETHYL
ETHYL ALCOHOL
-- ADSORPTION ON OXIDES
1-1906
-- NEUTRON RETARDATION BY
1- 291
-- SYNTHESIS OF LABELED
1- 923
ETHYL BROMIDE
-- EFFECTS OF RADIATION ON
1- 116 1-1858
-- SYNTHESIS OF LABELED
1- 923
ETHYLENE CHLOROTRIFLUORO
-- PROPERTIES PHYSICAL
1-1592
ETHYL ETHER
SEE ETHER DIETHYL
ETHYL IODIDE
-- SYNTHESIS OF LABELED
1- 623
EUROPIUM
-- ANALYSIS
1- 358 2-1703 2-1706 2-1707 2-1708
2-2041 2-2223
-- METABOLISM AND TOXICOLOGY
2-2081
-- PROPERTIES NUCLEAR
1- 543 1-1043 2-1438
-- SEPARATION METHODS
1- 852
-- SPECTRA
1- 563 1-1334 1-1711 1-1938 2- 649
EUROPIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1498
-- PROPERTIES NUCLEAR
1- 854
EUROPIUM EU-152
-- PROPERTIES NUCLEAR
1-1701
EUROPIUM EU-153
-- PROPERTIES NUCLEAR
2-1972
EUROPIUM EU-154
-- PROPERTIES NUCLEAR
1- 543 1-1701
-- TRACER APPLICATIONS
2-2081
EUROPIUM EU-155
-- PROPERTIES NUCLEAR
1- 852 2- 647
EUROPIUM COMPOUNDS
-- EUROPIUM ACETYLACETONATE
1-1716
-- EUROPIUM CHLORIDE
1-1711
-- EUROPIUM PERCHLORATE
1-1938
EXCLUSION PRINCIPLE
1- 318
EXPOSURE METERS
SEE PHOTOGRAPHY EXPOSURE METERS
EYE DISEASES
-- RADIATION THERAPY
2- 853 2-1147 2-1442 2-1696 2-2033

EYES
-- EFFECTS OF RADIATION ON
1- 405 1- 407 1- 414 1-1247 2- 33

FATS
SEE LIPIDS
FATTY ACIDS
-- METABOLISM OF
1- 389 2- 878
-- URANIUM POISONING EFFECTS ON
2- 406
FERMENTATION PROCESSES
1- 394 2- 883 2-1155
FERRON
-- ANALYTICAL REAGENT FOR AL
1- 914
FERTILITY
-- EFFECTS OF RADIATION ON
2-1058
FIELD THEORY
SEE ELECTROMAGNETIC FIELD THEORY
AND MESON FIELD THEORY
FILM DETECTORS
SEE PHOTOGRAPHIC FILM DETECTORS
FILTER PAPER
-- AEROSOL COLLECTION BY
1- 990
FILTRATION APPARATUSES
-- DESIGN AND CONSTRUCTION
2- 139 2-1329
FISCHER - TROPSCH SYNTHESIS
2- 674
FISCHER-WEIGERT SYNTHESIS
1- 759
FISH
-- EFFECTS OF RADIATION ON
1- 230 1-1087 2- 27 2-1868
-- METABOLISM AND TOXICOLOGY STUDIES
1-1056 2- 335
FISSION
SEE SUBHEAD FISSION UNDER SPECIFIC
FISSIONABLE ELEMENTS SUCH AS URANIUM
SEE SUBHEAD NUCLEAR REACTIONS UNDER
NEUTRONS
FISSION PRODUCTS
-- ALKALI METALS
1- 114 2-1537 2-1538 2-1539 2-1659
2-1678
-- ALKALINE EARTHS
2-1528 2-1529 2-1530 2-1541 2-1660
-- ANALYSIS
1- 54 1- 203 1- 277 1- 430 1- 619
2- 168
-- ANTIMONY ISOTOPES
2-1532 2-1683
-- BIOLOGICAL EFFECTS
1- 17
-- CADMIUM ISOTOPES
2-1531 2-1682
-- COLUMBIUM ISOTOPES
2-1129
-- DECAY RATE
1- 194 1- 671
-- DIFFUSION AND SCATTERING
2- 176
-- ENERGY LIBERATION IN
2-1879 2-1880 2-1881
-- FROM BISMUTH
2-1613
-- FROM PLUTONIUM
1-1359 2-1739
-- FROM THORIUM
1- 169 1-1009 2- 782
-- FROM URANIUM
1- 114 1- 115 1- 117 1- 203 1- 670
1- 692 1-1293 1-1357 2-1739 2-1866
-- HALOGENS
1- 692 2-1000 2-1521 2-1535 2-1670
2-1671 2-1677
-- NUCLEAR CHARGE DISTRIBUTION OF
2-1988 2-2148
-- PALLADIUM METALS
2-1679 2-1681
-- PLATINUM METALS
1- 670 2-1303
-- RANGE IN GASES
1-1632
-- RARE EARTHS
1- 203 2-1129 2-1130 2-1665 2-1666
2-1674 2-1706 2-1707 2-1708 2-1709
2-1710 2-1711 2-1713 2-1714 2-1715
2-2220
-- RARE GASES
1- 114 1- 115 1- 117 2-1989
-- SELENIUM ISOTOPES
2-1520
-- SEPARATION METHODS
1- 976 2-2092
-- TELLURIUM ISOTOPES
2-1520
-- THERAPEUTIC USES
1- 473 1-1278
-- TRACER APPLICATIONS
1-1278

FISSION PRODUCTS
-- YIELD DISTRIBUTION
1-1230 1-1967 2-1864
-- ZIRCONIUM ISOTOPES
2-1129
FLAVONES
-- RADIATION SICKNESS THERAPY USING
2-1434
FLOUR
-- ABSORPTION STUDIES
1- 579 1- 862
FLUORENE
-- RADIATION DETECTION USES
1-1646 2- 975
-- USES IN SYNTHESIS
1- 760
FLUORENE 2-ACETYLAMINO
-- SYNTHESIS OF LABELED
2-2094
FLUORESCEIN DIIODO
-- BRAIN TUMOR LOCATION WITH
1- 376 1- 870 1-1738 2- 876 2- 877
FLUORINE
-- ANALYSIS
1- 753 1- 754 1-1255 1-1784 2- 61
2- 62 2- 65 2- 70
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- METABOLISM AND TOXICOLOGY
1- 715 1-1390 1-1769 2- 411 2- 487
2- 711
-- PRODUCTION
1-1256 1-1257 1-1407 2- 769 2-1744
-- PROPERTIES CHEMICAL
2- 84 2- 127 2- 132 2-2110
-- PROPERTIES NUCLEAR
1- 329 1- 402 1- 838 2- 531 2-1971
-- RADIATION STOPPING BY
2-1171
-- SEPARATION METHODS
2- 61
-- SPECTRA
1-1725 1-1953 1-1954
-- WASTE DISPOSAL OF
1-1258
FLUORINE F-17
-- FORMATION OF
2- 568
FLUORINE F-18
-- FORMATION OF
1- 498 2-1968
-- PROPERTIES NUCLEAR
1- 836 1-1186 1-1932
FLUORINE F-19
-- PROPERTIES NUCLEAR
1- 295 2- 13 2- 845 2-1093 2-1399
2-1918
FLUORINE COMPOUNDS
-- CHLORINE TRIFLUORIDE
2-1207
-- FLUOBORATE BARIUM
2- 436
-- FLUOBORATE POTASSIUM
2- 436
-- FLUOROCARBONS
1- 81 1- 438 1-1110 1-1111 1-1112
1-1265 1-1266 1-1267 1-1390 1-1406
1-1407 1-1409 1-1587 1-1589 1-1590
1-1591 1-1592 1-1781 1-1784 1-1817
1-1818 1-1819 1-1820 1-1821 2- 70
2- 126 2- 127 2- 128 2- 129 2- 130
2- 131 2- 132 2- 133 2- 134 2- 471
2- 473 2- 474 2- 475 2- 476 2- 477
2- 478 2- 479 2- 480 2- 747 2- 748
2- 749 2-1208 2-1788 2-1789 2-1918
2-1919 2-1995
-- HALOCARBONS
1- 81 1- 939 1-1264 1-1407 1-1408
1-1587 1-1589 2- 125 2- 135 2- 472
2-2046
-- HYDROGEN FLUORIDE
1-1255 1-1256 1-1257 1-1258 2- 435
2- 721 2- 727
-- SODIUM FLUORIDE
2- 487
FLUOROACETATES
SEE ACETATES FLUORO-
FLUOROETHANES
SEE SPECIFIC FLUOROETHANES LISTED
UNDER ETHANE
FLUOROFORM-
-- STRUCTURE MOLECULAR
2-1918
FLUOROPHOSPHONATES
SEE PHOSPHONATES FLUORO
FLUOROPHOTOMETERS
SEE ALSO SPECTROPHOTOMETERS
-- CONSTRUCTION AND OPERATION
2- 493
FLUOROTHENE
-- PROPERTIES
1- 81 1-1587
FLUOROTOLUENES
SEE TOLUENES FLUORO-

FLUXMETERS
-- CONSTRUCTION AND OPERATION
1-1125 2- 495
FOILS
SEE METAL FOIL DETECTORS
FOLIC ACID
-- RADIATION SICKNESS THERAPY USING
2- 397 2- 614 2- 616 2- 983 2- 984
2-1656
FOLLICLE STIMULATING HORMONE
SEE ESTROGENS AND GONADOTROPINS
FOLLICULIN
SEE ESTROGENS
FOOD
-- CONTAMINATION RADIOACTIVE
1-1599
FORMIC ACID
-- EFFECTS OF RADIATION ON
1- 697
-- RETARDATION OF NEUTRONS BY
1- 291
-- SYNTHESIS
2-1341
FRANCIUM
-- PROPERTIES CHEMICAL
2- 678
FRANCIUM FA-221
-- PROPERTIES NUCLEAR
1-1316
FROGS
-- EFFECTS OF RADIATION ON
1- 40 1- 895 2- 33 2-1754
-- METABOLISM AND TOXICOLOGY STUDIES
2-1658 2-2227
FRUCTOSE
-- SYNTHESIS OF LABELED
1- 61
FUNGI
SEE ALSO ALGAE MOLDS AND PLANTS
-- EFFECTS OF RADIATION ON
2- 707
FURNACES
SEE INDUCTION FURNACES AND VACUUM
FURNACES

GADOLINIUM
-- ANALYSIS
1- 851
-- PROPERTIES NUCLEAR
1-1202
-- SPECTRA
1-1334 1-1938
GADOLINIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 958 1-1498
-- PROPERTIES NUCLEAR
1- 854
GADOLINIUM GD-152
-- PROPERTIES NUCLEAR
1-1202
GADOLINIUM GD-153
-- PROPERTIES NUCLEAR
1- 543
GADOLINIUM GD-159
-- PROPERTIES NUCLEAR
2-2209
GADOLINIUM GD-161
-- PROPERTIES NUCLEAR
2-2209
GADOLINIUM COMPOUNDS
-- GADOLINIUM OXIDE
1-1202
-- GADOLINIUM PERCHLORATE
1-1938
GALLIUM
-- ANALYSIS
1-1292 2- 68 2- 905 2-2138
-- PRODUCTION
1-1621 1-1623
-- PROPERTIES CHEMICAL
2- 80 2- 81 2- 82 2- 83 2- 929
2-1081 2-1544
-- PROPERTIES NUCLEAR
2- 299
-- SEPARATION METHODS
2- 80 2- 81
-- STRUCTURE ATOMIC
1- 800
GALLIUM GA-68
-- PROPERTIES NUCLEAR
2-1814
GALLIUM GA-70
-- PROPERTIES NUCLEAR
1-1029
GALLIUM GA-72
-- PROPERTIES NUCLEAR
1- 327 1-1029 1-1927 2- 167
GALLIUM GA-76
-- PROPERTIES NUCLEAR
2- 299
GALLIUM ALLOYS
-- PROPERTIES PHYSICAL
2-1588
GALLIUM COMPOUNDS
-- GALLATE AMMONIUM CHLORO
2- 83
GALLIUM COMPOUNDS
-- GALLATE POTASSIUM CHLORO-
2- 83
-- GALLIUM BROMIDE
2- 929
-- GALLIUM CHLORIDE
2- 80 2- 83
-- GALLIUM HYDRIDE
2- 678
-- GALLIUM NITRATE
2- 81
-- GALLIUM OXIDE
2- 82 2- 929
-- GALLIUM OXINATE
2-1544
-- GALLIUM PERCHLORATE
2- 929
-- SULPHOGALLATES
2-1081
GAMMA RADIATION
SEE ALSO RADIATION AND X-RADIATION
-- ABSORPTION
1- 886 1-1517 2- 3 2- 12 2- 372
2- 375 2-1166 2-1239
-- BIOLOGICAL EFFECTS
1- 17 1- 18 1- 234 1- 242 1- 247
1- 248 1- 409 1- 537 1- 740 1-1240
1-1241 1-1242 2- 402
-- CHEMICAL EFFECTS
1- 332 1- 843 1-1707 2- 278
-- DETECTION AND MEASUREMENT
1- 93 1- 146 1- 274 1- 503 1- 660
1- 954 1- 992 1- 996 1-1295 1-1297
1-1442 1-1535 1-1649 1-1650 1-1654
1-1868 1-1873 2- 181 2- 182 2- 188
2- 190 2- 192 2- 209 2- 215 2- 544
2- 547 2- 548 2- 551 2- 556 2- 801
2- 803 2- 804 2- 809 2- 810 2- 813
2- 814 2- 958 2- 967 2- 971 2-1098
2-1109 2-1110 2-1112 2-1245 2-1246
2-1247 2-1420 2-1422 2-1519 2-1638
2-1641 2-1644 2-1647 2-1693 2-1795
2-1824 2-1827 2-1879 2-1881 2-2008
2-2045 2-2111 2-2169
-- DIFFUSION AND SCATTERING
1- 220 1-1375 1-1517 1-1518 1-1520
1-1865 1-1891 2- 1 2- 7 2- 13
2-1167 2-1239
-- DOSAGE DETERMINATIONS
2- 552 2-1280
-- FROM ALUMINUM ISOTOPES
1-1034 1-1894
-- FROM AMERICIUM ISOTOPES
1-1066
-- FROM ANTIMONY ISOTOPES
1- 331 1-1187 2- 375 2- 848 2-1827
2-1837 2-1843
-- FROM ARGON ISOTOPES
2- 293
-- FROM ARSENIC ISOTOPES
2- 290 2- 298
-- FROM BARIUM ISOTOPES
1- 538 1- 689 1-1928 2- 1 2-1599
2-1662
-- FROM BERYLLIUM ISOTOPES
1- 693 1-1325 1-1702 2-1618 2-2139
2-2201
-- FROM BISMUTH ISOTOPES
2-1132
-- FROM BROMINE ISOTOPES
1-1187 1-1705 2-2022
-- FROM CADMIUM ISOTOPES
2- 285
-- FROM CARBON ISOTOPES
2-1323 2-1141 2-1618
-- FROM CERIUM ISOTOPES
1- 703 1-1042 2-1708
-- FROM CESIUM ISOTOPES
1- 691 2- 7 2- 375 2- 996 2-1599
2-1659
-- FROM CHLORINE ISOTOPES
1-1187 2-1272
-- FROM CHROMIUM ISOTOPES
1-1325 2- 375
-- FROM COBALT ISOTOPES
1-1150 1-1187 2- 7 2- 181 2- 624
2-1167 2-1245 2-1441 2-1469
-- FROM COLUMBIUM ISOTOPES
1-1706 2- 999
-- FROM COPPER ISOTOPES
1-1325 2-2207
-- FROM ERBIUM ISOTOPES
2-2141
-- FROM EUROPIUM ISOTOPES
1- 543 1-1043 2-1708
-- FROM FISSION PRODUCTS
1- 194
-- FROM FLUORINE ISOTOPES
1-1186 1-1932 2- 845
-- FROM GADOLINIUM ISOTOPES
1- 543 2-2209
-- FROM GALLIUM ISOTOPES
1- 327 1-1029 1-1927 2- 167
-- FROM GERMANIUM ISOTOPES
2- 299

GAMMA RADIATION
-- FROM GOLD ISOTOPES
1- 6 1-1186 1-1191 1-1477 1-1478
1-1924 2-1268 2-1693 2-1694 2-1840
2-2027
-- FROM HAFNIUM ISOTOPES
2- 286 2-1139 2-1140 2-1691
-- FROM HELIUM ISOTOPES
1-1011 1-1186 1-1932 2-1497
-- FROM HOLMIUM ISOTOPES
2-2221
-- FROM HYDROGEN ISOTOPES
1-1011 2- 175 2-2045
-- FROM INDIUM ISOTOPES
2- 285 2-1139 2-1269 2-1689
-- FROM IODINE ISOTOPES
2- 288 2- 842 2-1669 2-1670 2-2205
-- FROM IRIDIUM ISOTOPES
1- 331
-- FROM KRYPTON ISOTOPES
1-1482
-- FROM LANTHANUM ISOTOPES
1- 331 1- 703 1-1042 2-1663 2-1673
2-1708
-- FROM LEAD ISOTOPES
2- 967 2-1132
-- FROM LITHIUM ISOTOPES
2- 629 2- 993 2-1135 2-1497 2-2045
-- FROM MAGNESIUM ISOTOPES
1-1034 2- 1
-- FROM MERCURY ISOTOPES
1- 837
-- FROM MESON DECAY
1- 516 2- 107
-- FROM NEODYMIUM ISOTOPES
2-1674 2-1708
-- FROM NEPTUNIUM ISOTOPES
2-1489
-- FROM NICKEL ISOTOPES
2- 1
-- FROM NITROGEN ISOTOPES
2- 846
-- FROM OSMIUM ISOTOPES
1- 840
-- FROM OXYGEN ISOTOPES
2- 13 2- 846 2-1141
-- FROM PALLADIUM ISOTOPES
2- 1
-- FROM PLATINUM ISOTOPES
1-1191 2-2027
-- FROM POLONIUM ISOTOPES
2- 292 2-1440
-- FROM POTASSIUM ISOTOPES
1- 695 1- 841 2- 295 2- 518 2-1134
2-2024
-- FROM PRASEODYMIUM ISOTOPES
2- 285 2-2042
-- FROM PROTOACTINIUM ISOTOPES
2-1488
-- FROM RHENIUM ISOTOPES
2- 285
-- FROM RHODIUM ISOTOPES
2- 7 2-1685
-- FROM RUBIDIUM ISOTOPES
1-1318 2- 301 2-1077
-- FROM RUTHENIUM ISOTOPES
1- 544 2-1679
-- FROM SAMARIUM ISOTOPES
1- 539 2- 647
-- FROM SCANDIUM ISOTOPES
1-1927 2- 631
-- FROM SELENIUM ISOTOPES
1- 326 2- 181 2-1469 2-2023
-- FROM SILICON ISOTOPES
1-1894 2- 846
-- FROM SILVER ISOTOPES
2- 285 2-2208
-- FROM SODIUM ISOTOPES
2- 167 2- 173 2- 375 2-2202
-- FROM STRONTIUM ISOTOPES
2- 1
-- FROM TECHNETIUM ISOTOPES
1- 299 1- 300 1- 544 1-1479 2- 639
2-2020
-- FROM TELLURIUM ISOTOPES
2- 634 2-1136 2-1669
-- FROM TERBIUM ISOTOPES
1- 543 2-2209
-- FROM THALLIUM ISOTOPES
2- 690 2-1143 2-1827
-- FROM THORIUM FISSION
1-1864
-- FROM THORIUM ISOTOPES
1-1930 2- 892 2- 997 2- 998 2-1036
-- FROM TITANIUM ISOTOPES
1- 837 2- 1
-- FROM TUNGSTEN ISOTOPES
1- 837 2- 297 2- 995 2-1838
-- FROM URANIUM FISSION
1- 168 1-1864
-- FROM URANIUM ISOTOPES
1-1372 2-2061 2-2242
-- FROM VANADIUM ISOTOPES
2-2202
-- FROM XENON ISOTOPES
2- 288 2-1667 2-1672
GAMMA RADIATION
-- FROM YTTERBIUM ISOTOPES
2-2141
-- FROM YTTRIUM ISOTOPES
2-1130
-- FROM ZINC ISOTOPES
1-1150 2- 181 2- 375 2-1245
-- FROM ZIRCONIUM ISOTOPES
1- 331
-- INTERNAL CONVERSION
1-1690 2- 821 2- 979 2- 994 2-1133
2-1246 2-1270 2-1274 2-1439
-- NUCLEAR REACTIONS
1- 171 1-1308 1-1435 1-1891 1-1895
2- 167 2- 169 2- 173 2-1395 2-1617
2-1814
-- PETROLEUM WELL LOGGING WITH
2-1994
-- RADIOGRAPHIC USES
1-1327 2- 305 2-1695
-- SOURCES AND STANDARDS
2-1887
-- THERAPEUTIC USES
1- 560 2-1003
GASEOUS DIFFUSION
SEE ISOTOPES SEPARATION METHODS
GASES
SEE ALSO SPECIFIC GASES
-- ANALYSIS
1- 754 2- 504 2-1336 2-1377
-- EFFECTS OF RADIATION ON
2- 690
-- EQUATIONS OF STATE
1- 188 1- 732 1-1452 1-1470 2-1261
2-2183
-- FLOW OF
1- 317 1-1902 2- 249 2- 368 2- 953
2-1433 2-1495 2-1998
-- HEAT CAPACITIES
2- 250
-- IONIZATION OF
1-1450 1-1451 1-1455 1-1457 1-1667
1-1668 1-1670 1-1903 1-1904 1-1905
2- 255 2-1097 2-2164
-- PROPERTIES PHYSICAL
2-1242
-- RADIATION ABSORPTION BY
2-1050
-- RADIATION SCATTERING BY
2-1237
-- RADIATION STOPPING BY
2-1171
-- STRUCTURE MOLECULAR
1- 915
GASKETS
SEE SEALS AND GASKETS
GASTRIC JUICE
SEE ALSO STOMACH
-- BROMIDE CONCENTRATION IN
2- 874
-- IODIDE CONCENTRATION IN
1- 714
GAUGES
-- FOR VACUUM SYSTEMS
1- 592 1- 594 1-1078 1-1231 1-1748
1-1829 1-1972 2- 369 2- 370 2- 684
2-1164 2-1494 2-1496 2-2066
-- LIQUID LEVEL
1-1831
-- THICKNESS
1- 774
GEIGER-MULLER COUNTERS
-- ANALYTICAL USES
1- 151 1- 293 1- 459 1- 639 1- 641
1- 796 1- 937 1-1147 2- 59 2- 202
2- 428 2- 557 2-1063 2-1106 2-1297
2-1340 2-1368 2-1851
-- AUXILIARIES AND EQUIPMENT
1- 87 1-1123 2- 183 2- 198 2- 218
2- 221 2- 229 2- 818 2-1106 2-1103
2-1431 2-2179
-- CONSTRUCTION AND OPERATION
1- 86 1- 108 1- 272 1- 459 1- 460
1- 461 1- 463 1- 903 1- 945 1- 639
1- 640 1- 772 1- 773 1- 950 1- 952
1- 953 1- 954 1-1127 1-1128 1-1132
1-1133 1-1272 1-1273 1-1274 1-1650
1-1655 1-1656 1-1871 1-1879 1-1880
2- 183 2- 196 2- 202 2- 207 2- 208
2- 215 2- 218 2- 221 2- 543 2- 952
2- 957 2- 958 2- 959 2- 961 2- 962
2- 813 2- 971 2- 976 2-1105 2-1106
2-1109 2-1113 2-1419 2-1639 2-1641
2-1645 2-1825 2-2005 2-2006 2-2011
2-2167 2-2168 2-2170 2-2173
-- COSMIC RADIATION DETECTION WITH
1- 439 1- 630 2-1902 2-1905 2-2101
-- GEOPHYSICAL EXPLORATION WITH
1- 789 2- 165 2- 518 2- 519 2-1382
GENERATORS
SEE ELECTROSTATIC GENERATORS AND PULSE GENERATORS
GENETICS
SEE SUBHEAD EFFECTS OF RADIATION ON UNDER CHROMOSOMES

GEOPHYSICS
1- 725 1- 841 1- 940 1-1113 1-1192
1-1410 1-1583 1-1594 1-1596 1-1629
1-1822 2- 461 2- 483 2- 990 2-1970
2-1990 2-1791
GERMANIUM
-- ANALYSIS
2- 905 2-1595
-- ELECTRODEPOSITION OF
2-1380
-- ELECTRON EMISSION FROM
2- 932
-- PRODUCTION
1-1621 1-1623 2-1380
-- PROPERTIES NUCLEAR
2- 298 2- 299
-- PROPERTIES PHYSICAL
1- 177 1-1669 2- 253 2- 762
-- STRUCTURE CRYSTAL
1-1984
GERMANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 147 2-1213
GERMANIUM GE 69
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 70
-- PROPERTIES NUCLEAR
1- 336 2- 298 2-1814
GERMANIUM GE 71
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 75
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 76
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM ALLOYS
-- PRODUCTION
2-1380
-- PROPERTIES PHYSICAL
2- 762
GERMANIUM COMPOUNDS
-- GERMANIUM TETRACHLORIDE
1-1950
GLASS
-- PRODUCED FROM ATOMIC EXPLOSIONS
1- 286
-- SODIUM DIFFUSION IN
2-1300
GLOBULIN
-- SYNTHESIS OF LABELED
2- 722
GLOSSARIES
-- NUCLEAR PHYSICS
1- 525 1-1296 2-1412
-- REACTOR THEORY
2- 954
GLUCOSE
-- METABOLISM OF
1- 393 1- 717 1- 748 1-1217 2-1151
2-1180 2-1459
-- SYNTHESIS OF LABELED
1- 61 2- 73 2-2093
GLUTAMIC ACID
-- ANALYSIS
1-1552
-- METABOLISM OF
1-1214 1-1238 2-1020
GLYCEROL
-- AEROSOL USES
1-1509
-- RETARDATION OF NEUTRONS BY
1- 291
GLYCEROL TRIPALMITATE
-- METABOLISM OF
2- 878 2-2050
GLYCINE
-- ANALYSIS
1-1552
-- METABOLISM OF
1- 363 1- 393 1- 394 1-1055 1-1214
1-1219 1-1733 2- 332 2-1021 2-1022
2-1457 2-1732 2-1852 2-1858 2-2230
-- RADIATION DETECTION USES
1-1443
-- SYNTHESIS OF LABELED
1-1397
GLYCOGEN
-- METABOLISM OF
1-1217 2-1180 2-1459 2-1460 2-1462
GLYCOLIC ACID BENZYLPHENYL
-- SYNTHESIS OF
1- 861
GLYCYL ASPARAGINE
SEE ASPARAGINE GLYCYL-
GLYOXAL PHENYL-
-- REARRANGEMENT OF
1- 373 1-1792
GLYOXALIDONE PHENYLBENZYL
-- RADIATION DETECTION USES
1-1648 2- 975
GOATS
-- EFFECTS OF RADIATION ON
2- 836 2-1175 2-1655
GOATS
-- METABOLISM AND TOXICOLOGY STUDIES
2-1512
GOITERS
SEE THYROID DISEASES
GOLD
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2- 687 2-1269 2-1438 2-2027 2-2028
-- RADIATION ABSORPTION BY
2- 383 2-1200 2-1500
-- RADIATION SCATTERING BY
2-1750
-- SEPARATION METHODS
1-1706
-- STRUCTURE CRYSTAL
2- 119
GOLD ISOTOPES
-- PROPERTIES NUCLEAR
1-1544
GOLD AU-194
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-195
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-196
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-197
-- PROPERTIES NUCLEAR
1-1478 1-1863
GOLD AU-198
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 6 1- 143 1- 837 1-1188 1-1877
1-1924 1-1927 2-1268 2-1693 2-1694
2-1840 2-1887
-- THERAPEUTIC USES
1- 351 1- 700
GOLD AU-199
-- PROPERTIES NUCLEAR
1-1191
GOLD ALLOYS
-- EFFECTS OF RADIATION ON
2-1086
-- EVAPORATION OF
1- 966
-- PRODUCTION
2- 512
-- PROPERTIES
1-1627 2- 512
-- STRUCTURE CRYSTAL
1- 311 2- 163
GOLD COLLOIDS
-- PARTICLE SIZE DETERMINATIONS
2-1170
GONADOTROPINS
SEE ALSO HORMONES
-- EFFECTS ON IRRADIATED OVARIES
2-1096 2-1324
GRANITE
-- RADIOACTIVITY IN
2-1960
GRAPHITE
SEE ALSO CARBON AND DIAMOND
-- ELECTRON EMISSION BY
2- 794
-- IONIZATION POTENTIAL
1-1454
-- METABOLISM AND TOXICOLOGY
1- 267
-- NEUTRON TRANSMISSION THROUGH
2-1088
-- PRODUCTION
1-1629 2-1339 2-1921
-- PROPERTIES PHYSICAL
1- 680 1- 831 1-1261 1-1773 1-1823
2- 250 2- 485
-- PROPERTIES REFRACTORY
2- 54 2- 484
-- RADIATION ABSORPTION BY
1-1000
-- RADIATION SCATTERING BY
1- 658
-- STRUCTURE CRYSTAL
2-1088
-- STRUCTURE MOLECULAR
1-1954
GRAVITATIONAL FIELDS
-- PROPERTIES
1- 685 1-1472 1-1677 1-1685 2- 17
2- 270
GUANINE
-- ANALYSIS
2-2086
GUINEA PIGS
-- EFFECTS OF RADIATION ON
1- 33 1- 40 1- 735 1- 895 1- 897
2- 26
-- METABOLISM AND TOXICOLOGY STUDIES
1- 391 1- 420 1- 576 1- 606 1- 612

GUINEA PIGS
-- METABOLISM AND TOXICOLOGY STUDIES
1-1061 1-1095 1-1096 2- 46 2-1178
2-1298 2-1330 2-1512 2-1850

HABROBRACON
SEE INSECTS
HAFNIUM
-- ANALYSIS
1- 283 1-1204 1-1208 1-1719 1-1726
2- 420 2-2085
-- CROSS SECTION NEUTRON
2- 166
-- OXIDATION AND REDUCTION STATES
2-1345
-- PROPERTIES CHEMICAL
2-1345
-- SEPARATION METHODS
1-1781 2- 718 2-1139 2-2089
HAFNIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 467
HAFNIUM HF-175
-- FORMATION OF
2- 992
-- PROPERTIES NUCLEAR
2- 992 2-1691
HAFNIUM HF-181
-- PROPERTIES NUCLEAR
1- 107 1- 325 2- 286 2- 287 2-1139
2-1140
HAFNIUM HF-184
-- RADIATION ABSORPTION BY
1-1484
HAIR
-- EFFECTS OF RADIATION ON
2-1323
HALF-LIFE DETERMINATIONS
SEE RADIOACTIVITY - MEASUREMENT OF
HALOCARBONS
SEE SUBHEAD HALOCARBONS UNDER
FLUORINE COMPOUNDS
HALOGENS
SEE ALSO SPECIFIC HALOGENS
-- SPECTRA
1-1905 2- 255
-- STRUCTURE ATOMIC
2- 255
HAMSTERS
-- METABOLISM AND TOXICOLOGY STUDIES
1- 420 2-1330 2-1512
HEALTH AND SAFETY
SEE DUST HAZARDS HEALTH PHYSICS AND
RADIATION HAZARDS AND PROTECTION
HEALTH PHYSICS
SEE ALSO DECONTAMINATION RADIOACTIVE
DUST HAZARDS RADIATION HAZARDS AND
PROTECTION SHIELDING AND WASTE
DISPOSAL RADIOACTIVE
SEE ALSO SUBHEADS BIOLOGICAL EFFECTS
AND DOSAGE DETERMINATIONS UNDER
SPECIFIC RADIATIONS AND RADIOACTIVE
ISOTOPES
-- RADIATION PROTECTION
1- 82 1- 83 1- 84 1- 85 1- 228
1- 941 1- 943 1-1051 1-1114 1-1115
1-1116 1-1268 1-1411 1-1412 1-1439
1-1493 1-1598 1-1599 1-1761 2- 137
2- 138 2- 256 2- 486 2- 488 2- 489
2- 491 2- 492 2- 956 2-1075 2-1076
2-1145 2-1507 2-1637 2-1643 2-1792
2-1794 2-1795 2-2004 2-2057 2-2111
2-2116
HEART DISEASES
-- RADIOISOTOPES THERAPY
1-1040
-- SODIUM METABOLISM IN
2-1025
HEAT TRANSFER
1-1310 2- 590 2- 953 2-1408 2-1587
2-1626 2-1821 2-2160
HEATERS
SEE INDUCTION FURNACES AND VACUUM
FURNACES
HEAVY ELEMENTS
SEE ELEMENTS HEAVY
HELIUM
-- DIFFUSION PUMP FOR
2- 277
-- FISSION PRODUCT STOPPING BY
1-1632
-- IONIZATION OF
2- 252 2-2069
-- PRODUCTION
1- 304 1- 934 1-1629
-- PROPERTIES NUCLEAR
2- 869
-- PROPERTIES PHYSICAL
1- 828 1- 829 1-1024 1-1608 1-1905
2- 255 2- 759 2-1242 2-1261
-- RADIATION ABSORPTION BY
2-1165
-- RADIATION SCATTERING BY
1- 401
-- SPECTRA
1- 506 1-1725 2- 869

HELIUM
-- STRUCTURE ATOMIC
2- 869
HELIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 955 2- 498 2-2124
-- SEPARATION METHODS
1-1607 1-1608
HELIUM HE 3
-- CROSS SECTION DEUTERON
1- 978 1-1006
-- CROSS SECTION NEUTRON
1-1167 2-1388 2-2145
-- DIFFUSION AND SCATTERING
2- 378 2- 893 2-1045
-- FORMATION OF
2- 247 2- 948 2-1392 2-1403 2-1616
2-1619 2-2151 2-2152
-- ISOTOPIC SEPARATION
1-1607 1-1608 1-1660 2- 247 2- 759
-- PROPERTIES NUCLEAR
1-1004 1-1011 1-1024 1-1886 2- 229
2- 781 2-1093 2-1977 2-1981
-- PROPERTIES PHYSICAL
1-1163 2- 247 2-1624 2-1629 2-1996
2-1997
-- SPECTRA
1-1503 1-1731
-- SPIN AND MOMENT
2- 231
HELIUM HE 4
-- PROPERTIES NUCLEAR
1- 667 2- 781
-- PROPERTIES PHYSICAL
1-1163 2-1624 2-1997
-- RADIATION SCATTERING BY
2-2068
-- SPECTRA
1-1503
HELIUM HE 5
-- PROPERTIES NUCLEAR
1- 667
HELIUM HE 6
1-1690 2- 986 2-1186 2-1932
HEMATOLOGY
SEE BLOOD AND BLOOD SYSTEM
HEMIN
-- SYNTHESIS OF LABELED
2-1021
HEMOGLOBIN
-- RATE OF FORMATION OF
2- 332
HEPARIN
-- BLOOD ANTICOAGULANT PROPERTIES
1-1314
-- INACTIVATION BY DYES
2-1328
HEPTANE HEXADECAFLUORO-
-- PROPERTIES PHYSICAL
1-1592
HEPTANE PERFLUORO
-- PROPERTIES CHEMICAL AND PHYSICAL
1-1591
-- SYNTHESIS OF
1-1591
HEPTANONE
-- SOLUBILITY OF THORIUM NITRATE IN
1- 258
HEXABROMOBENZENE
SEE BENZENE HEXABROMO-
HEXACHLOROBENZENE
SEE BENZENE HEXACHLORO-
HEXACHLOROPROPYLENE
SEE PROPYLENE HEXACHLORO-
HEXAFLUOROCYCLOPROPANE
SEE CYCLOPROPANE HEXAFLUORO
HEXAMETHYLENETETRAMINE
-- PROPERTIES CHEMICAL
2- 362
HEXANOL
-- SOLUBILITY OF THORIUM NITRATE IN
1- 258
HEXYL ALCOHOL
SEE HEXANOL
HEXYL ETHER
SEE ETHER DIHEXYL
HISTAMINE
-- EFFECT ON BLOOD SYSTEM
2- 346 2-1508
HISTAMINE SHOCK
-- RUTIN THERAPY FOR
2- 281
HOLMIUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 638
HOLMIUM HO-161
-- PROPERTIES NUCLEAR
1-1277
HOLMIUM HO-162
-- PROPERTIES NUCLEAR
1-1277
HOLMIUM HO-164
-- PROPERTIES NUCLEAR
1-1277

HOLMIUM HO-166
-- PROPERTIES NUCLEAR
2-2221
HORMONES
SEE ALSO ENZYMES AND PROTEINS
-- ESTROGENS
1- 574 1- 575 1- 925 1-1739 2-1056
2-2211
-- GONADOTROPINS
2-1056 2-1324
-- INSULIN
1- 374
-- STEROID TYPE
1- 322 1-1315 2-1444 2-1546 2-2019
-- THYROTROPINS
1-1350 2-1029
-- THYROXINE
1- 30 1- 249 1- 385 1- 712 1-1039
2- 41 2- 397 2-1157
HYALURONIC ACID
-- EFFECTS OF RADIATION ON
2-1835
HYALURONIDASE
-- INHIBITION BY RUTIN
2- 280
HYDANTOIN
-- SYNTHESIS OF LABELED
1-1397
HYDRAZINE PHENYL
SEE PHENYLHYDRAZINE
HYDROCARBONS
SEE ALSO SPECIFIC HYDROCARBONS SUCH
AS METHANE
-- ANALYSIS
1-1553
-- IONIZATION POTENTIALS
1-1454
-- RADIATION ABSORPTION BY
2-1363
-- SYNTHESIS
2- 674
HYDROGEN
SEE ALSO DEUTERIUM AND TRITIUM
-- ANALYSIS
1-1265 1-1266 1-1267 1-1549 1-1635
2-1336 2-1340
-- CROSS SECTION NEUTRON
1- 740 1- 989 2- 777
-- DIFFUSION PUMP FOR
2- 277
-- FISSION PRODUCT STOPPING BY
1-1632
-- IONIZATION OF
1- 765 1-1176 1-1670 2- 251 2-2069
-- PROPERTIES CHEMICAL
1- 926 2-2110
-- PROPERTIES NUCLEAR
1- 7 1-1464 1-1465 1-1675 2- 175
2- 323 2-1312
-- PROPERTIES PHYSICAL
1- 188 1-1176 1-1914 2-1261
-- PURIFICATION
1- 620 1- 727 1- 757
-- RADIATION ABSORPTION BY
1-1374 2-1050 2-1165 2-1606
-- RADIATION SCATTERING BY
1-1081 2-1169
-- RADIATION STOPPING BY
2-1171
-- SPECTRA
1-1343 1-1501 1-1725 1-1903 2- 261
2- 323
-- STRUCTURE ATOMIC
1- 832 1-1456 2- 261 2- 323
-- STRUCTURE MOLECULAR
1- 164 2- 589
HYDROGEN COMPOUNDS
-- HYDROGEN BROMIDE
1- 620 1-1881 2-1233 2-2022
-- HYDROGEN CHLORIDE
1- 620 1-1881 2-1233
-- HYDROGEN DEUTERIUM OXIDE
2- 746
-- HYDROGEN FLUORIDE
1-1255 1-1256 1-1257 1-1258 2- 435
2- 721 2- 727
-- HYDROGEN IODIDE
1-1881 2-1233
-- HYDROGEN PEROXIDE
1- 197 1-1037 1-1488 2- 29
-- HYDROGEN SELENIDE
1- 80 1-1881
-- HYDROGEN SULFIDE
1- 80 1- 478 1-1881 2-1233
-- HYDROGEN TELLURIDE
1- 80
HYDROGRAPHY
-- RADIOACTIVITY IN BIKINI LAGOON
2-1503
HYDROQUINONE
-- RADIATION DETECTION USES
1-1443
HYDROXYQUINOLINE
-- ANALYTICAL REAGENT FOR GALLIUM
2- 68 2- 80 2- 81
ICE
-- RANGE OF RADIATION IN
2-1549
-- STRUCTURE CRYSTAL
2-2109
ILLINIUM
SEE PROMETHEUM
INDIUM
-- ANALYSIS
1- 430 2- 905
-- CROSS SECTION NEUTRON
1-1640
-- EFFECTS OF RADIATION ON
1- 997
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
2-1544
-- PROPERTIES METALLURGICAL
2-1124
-- SEPARATION METHODS
2-1139 2-1543
-- STRUCTURE ATOMIC
1- 800
INDIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1594
-- PROPERTIES NUCLEAR
2- 285
INDIUM IN 111
-- PROPERTIES NUCLEAR
2-1689
INDIUM IN 115
-- CROSS SECTION NEUTRON
2- 936
-- PROPERTIES NUCLEAR
2-1093 2-1139 2-1269 2-1612 2-1972
INDIUM IN 116
-- CROSS SECTION NEUTRON
1- 136 2-1800
INDIUM COMPOUNDS
-- INDIUM HYDRIDE
2- 678
-- INDIUM OXINATE
2-1544
INDOLE-3-ACETIC ACID
SEE ACETIC ACID INDOLE
INDUCTION FURNACES
-- CONSTRUCTION AND OPERATION
2-1336 2-1592
INDUSTRIAL DECENTRALIZATION
2- 696
INFRARED RADIATION
-- DETECTION AND MEASUREMENT
2-2046
INSECTS
-- EFFECTS OF RADIATION ON
1- 237 1- 238 1- 247 1- 248 1- 409
1- 895 1- 902 1-1088 2- 704 2-1055
2-1509
INSTRUMENTS
SEE LABORATORY EQUIPMENT RADIATION
DETECTION INSTRUMENTS AND SPECIFIC
INSTRUMENTS LISTED ALPHABETICALLY
INSULATION
-- FOR ELECTRICAL EQUIPMENT
2-1374
-- FOR RADIATION DETECTION INSTRUMENTS
2- 184
INSULATION FLASHOVER TESTS
1- 88
INSULIN
-- EFFECTS ON CARBOHYDRATE METABOLISM
1- 374
INTERFEROMETERS
SEE ALSO SONIC INTERFEROMETERS
INTERNAL CONVERSION
SEE SUBHEAD INTERNAL CONVERSION UNDER
GAMMA RADIATION FOR GENERAL PAPERS
CONCERNING THIS PHENOMENON
SEE SUBHEADS CONCERNED WITH EMISSION
OF BETA PARTICLES AND X-RADIATION
FROM SPECIFIC ISOTOPES UNDER MAIN
HEADS BETA PARTICLES AND
X-RADIATION FOR PAPERS DEALING WITH
INTERNAL CONVERSION IN SPECIFIC
RADIOISOTOPES
INTESTINES
-- EFFECTS OF RADIATION ON
2- 30 2- 708 2-1892 2-2077
IODINE
-- METABOLISM STUDIES WITH ISOTOPES
1- 30 1- 246 1- 249 1- 250 1- 385
1- 552 1- 710 1- 712 1- 714 1- 847
1- 849 1- 875 1-1051 1-1056 1-1063
1-1329 1-1350 1-1351 1-1358 1-1507
1-1512 1-1735 1-1736 1-1737 1-1739
1-1740 1-1934 1-1957 2- 335 2- 337
2- 403 2- 564 2-1029 2-1151 2-1157
2-1181 2-1278 2-1295 2-1298
-- OXIDATION AND REDUCTION STATES
2-1521
-- PROPERTIES CHEMICAL
2-1521 2-1535
-- RADIATION STOPPING BY
2-1171

IODINE
-- SEPARATION METHODS
1- 434 2-1535 2-1536
-- STRUCTURE ATOMIC
1-1456
IODINE ISOTOPES
-- FORMATION OF
1- 67 1- 470
-- PROPERTIES NUCLEAR
1- 114
-- RADIOGRAPHIC USES
1- 845
-- THERAPEUTIC USES
1-1039 1-1199 2- 309 2- 664
-- TRACER APPLICATIONS
1-1051 1-1957 2- 309 2-1521
-- USES IN SYNTHESES
2- 722
IODINE I-126
-- FORMATION OF
2-1617
IODINE I-127
-- CROSS SECTION NEUTRON
2- 936
-- PROPERTIES NUCLEAR
2- 233 2-1404 2-1617 2-1972
IODINE I-128
-- CROSS SECTION NEUTRON
1- 136 2-1800
IODINE I-130
-- THERAPEUTIC USES
1- 354 1- 845 1-1937
IODINE I-131
-- ANALYSIS RADIOMETRIC
1- 918
-- BIOLOGICAL EFFECTS
1- 30 1- 246 1- 416 1-1350 2- 37
2- 41 2- 403
-- DIAGNOSTIC USES
1- 355 1- 875 1-1063 1-1512 1-1738
1-1934 2- 343 2- 876
-- DOSAGE DETERMINATIONS
2-2232
-- FORMATION OF
1- 62 1- 469 2-1536
-- PROPERTIES NUCLEAR
1- 996 2- 288 2- 597 2- 808 2- 842
2-1667 2-1670 2-2205
-- RADIOAUTOGRAPHIC USES
1- 337 1- 339 1- 355 1- 698 1-1358
1-1489 2- 37
-- THERAPEUTIC USES
1- 355 1- 356 1- 557 1- 845 1- 847
1- 849 1-1040 1-1329 1-1330 1-1493
1-1934 1-1935 1-1936 1-1937 2- 646
2-1007 2-1278 2-2053 2-2217 2-2219
2-2233
-- TRACER APPLICATIONS
1- 376 1- 385 1- 552 1- 710 1- 711
1- 712 1- 714 1- 870 1- 875 1-1056
1-1063 1-1329 1-1350 1-1351 1-1355
1-1358 1-1507 1-1512 1-1735 1-1736
1-1737 1-1738 1-1739 1-1740 1-1936
2- 335 2- 337 2- 404 2- 671 2- 877
2-1029 2-1151 2-1157 2-1278 2-1295
2-1298 2-2228 2-2232 2-2233
-- USES IN SYNTHESES
2-1545
IODINE I-132
-- PROPERTIES NUCLEAR
2-1669
IODINE I-133
-- PROPERTIES NUCLEAR
2-1670
IODINE I-134
-- PROPERTIES NUCLEAR
1-1359
IODINE I-135
-- PROPERTIES NUCLEAR
2-1670 2-1671 2-1989
IODINE I-136
-- PROPERTIES NUCLEAR
1- 692
IODINE I-137
-- PROPERTIES NUCLEAR
2-1000
IODINE I-138
-- PROPERTIES NUCLEAR
2-1000
IODINE I-139
-- PROPERTIES NUCLEAR
2-1000
IODOCASEIN
SEE CASEIN IODO
IODOTYROSINE
SEE TYROSINE MONOIODO- AND DIIODO-
ION MICROSCOPES
SEE ALSO ELECTRON MICROSCOPES AND
PROTON MICROSCOPES
-- CONSTRUCTION AND OPERATION
2- 145
IONIUM
SEE THORIUM TH-230
IONIZATION CHAMBERS
-- ANALYTICAL USES
1-1678 2-1519 2-1523 2-1635
IONIZATION CHAMBERS
-- CONSTRUCTION AND OPERATION
1- 93 1- 94 1- 95 1- 219 1- 494
1- 638 1- 922 1- 942 1- 974 1-1147
1-1276 1-1295 1-1648 1-1649 2- 197
2- 225 2- 549 2- 560 2- 969 2-1098
2-1100 2-1105 2-1110 2-1252 2-1423
2-1519 2-1523 2-1824
-- COSMIC RADIATION DETECTION WITH
1- 631 1-1804 2-1199 2-1354 2-1900
-- PETROLEUM WELL LOGGING WITH
2-1241
IONOTRONS
-- CONSTRUCTION AND OPERATION
2-1210
IONS
-- ACCELERATION OF
2- 582 2-1406
-- ACTION IN ELECTROMAGNETIC FIELDS
1- 309 1-1137 2- 790 2-1078 2-1645
-- DETECTION AND MEASUREMENT
2-1418 2-1420
-- METAL BOMBARDMENT WITH
2-1627
-- SOURCES
1- 90 1- 97 1- 100 1- 103 1- 271
1- 522 1- 783 1-1041 1-1129 1-1172
1-1432 1-1433 1-1915 2- 244 2- 509
2- 510 2- 918
-- WAVE EQUATIONS FOR
1- 832 1- 833
IRIDIUM
-- ANALYSIS
2-1305
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2-1438 2-1972 2-2027
-- SEPARATION METHODS
1- 331
IRIDIUM ISOTOPES
-- FORMATION OF
1- 670
IRIDIUM IR-192
-- PROPERTIES NUCLEAR
1- 157 1- 885 1-1698
IRIDIUM IR-194
-- PROPERTIES NUCLEAR
1- 331
IRON
SEE ALSO STEEL
-- ANALYSIS
1- 429 1- 914 1-1253 1-1968
-- CROSS SECTION NEUTRON
1- 140 1- 141 1- 656 1- 657 2- 526
-- METABOLISM STUDIES WITH ISOTOPES
1- 350 1- 380 1- 388 1- 390 1- 871
1-1051 1-1057 2-1860
-- OXIDATION AND REDUCTION STATES
1-1707
-- PROPERTIES MAGNETIC
2-1621
-- PROPERTIES NUCLEAR
2-1814
-- PROPERTIES PHYSICAL
2-2125
-- RADIATION ABSORPTION BY
1- 441 1- 443 1-1403 2- 376 2- 457
2-1069 2-1168 2-1363 2-1365 2-1908
2-2096
-- RADIATION SCATTERING BY
1- 140 1-1637 2-1390 2-1973
-- SPECTRA
1-1347
-- STRUCTURE CRYSTAL
1-1109 1-1404
IRON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- TRACER APPLICATIONS
1- 871 1-1051 1-1057 2-1860
IRON FE-52
-- PROPERTIES NUCLEAR
1-1008 1-1014
IRON FE-54
-- PROPERTIES NUCLEAR
2-1404
IRON FE-55
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
1-1871
-- TRACER APPLICATIONS
1- 380 2- 336
IRON FE-57
-- PROPERTIES NUCLEAR
1-1153
IRON FE-59
-- FORMATION OF
1- 469 1- 470
-- THERAPEUTIC USES
1- 472
-- TRACER APPLICATIONS
1- 350 1- 380 1- 387 1- 388 1- 390
2- 671 2-1467

IRON ALLOYS
-- ANALYSIS
1-1392
-- PRODUCTION
1-1852 2- 512
-- PROPERTIES
1-1832 1-1847 2- 512
-- STRUCTURE CRYSTAL
1- 311 1-1140 2-2128
IRON COMPOUNDS
-- HYDROFERROCYANIC ACID
2- 234
ISATIN OXIME
-- ANALYTICAL REAGENT FOR U
1-1968
ISOAMYL ALCOHOL
-- SOLUBILITY OF THORIUM NITRATE IN
1- 258
ISOBUTYL METHYL KETONE
SEE PENTANONE 2 4-METHYL
ISOPROPYL ETHER
SEE ETHER ISOPROPYL
ISOTOPES
SEE ALSO SPECIFIC ISOTOPES LISTED BY MASS NUMBER UNDER SPECIFIC ELEMENTS SUCH AS CARBON C-14 ETC
-- ABUNDANCE AND DISTRIBUTION
1- 138 1- 471 1-1169 1-1376 1-1755
1-1839 1-1840 2- 19 2- 16 2- 155
2- 390 2- 497 2- 499 2- 500 2- 921
2- 922 2-1214 2-1215 2-1376 2-1579
2-1954 2-1956 2-1978
-- ANALYSIS
1- 54 1- 275 1- 278 1- 462 1- 471
2-1333 2-1334 2-1646 2-1647 2-1579
2-1731
-- AVAILABILITY
1- 361 1- 362 1- 644 1- 672 1- 780
1- 957 1-1717 1-1837 1-1946 2- 148
2- 152
-- BIOLOGICAL EFFECTS
1- 19 1- 35 1- 254 1- 404 1-1116
1-1761 1-1763
-- CROSS SECTION GAMMA
1-1483 2- 530 2- 535
-- DIAGNOSTIC USES
1-1199 2- 670
-- DOSAGE DETERMINATIONS
2- 645 2-1280 2-1795
-- HANDLING AND TRANSPORTATION
1- 111 1- 278 1- 781 2- 458 2-2112
2-2224
-- METABOLISM AND TOXICOLOGY
1- 416 1- 424 1-1116 2-1181
-- PRODUCTION
1- 111 1- 170 1- 228 1- 343 1- 365
1- 469 1- 470 1- 472 1- 557 1- 600
1- 959 1-1007 1-1008 1-1014 1-1016
1-1348 1-1495 1-1837 2- 501 2- 755
2- 758 2-1318 2-1334 2-1809 2-1955
-- PROPERTIES CHEMICAL
2- 919
-- PROPERTIES NUCLEAR
1- 138 1- 152 1- 170 1- 468 1- 652
1- 803 1- 809 1-1165 1-1298 1-1659
1-1704 1-1837 1-1838 1-1857 1-1915
2- 341 2- 782 2- 822 2- 923 2- 937
2- 949 2- 994 2-1092 2-1215 2-1232
2-1246 2-1312 2-1818 2-1976 2-2159
-- PROPERTIES PHYSICAL
1- 179 1- 468
-- RADIOAUTOGRAPHIC USES
1- 335 1- 337 1- 339 1- 549 1- 550
1- 864 1-1368 2- 304 2-1002 2-2053
-- SEPARATION METHODS
1-1348 2- 501 2- 927
-- SPECTRA
1- 799 2- 660
-- STRUCTURE ATOMIC
1- 499
-- TABLES
1- 465 1- 643 1-1277 1-1838 2- 228
2-1215
-- THERAPEUTIC USES
1- 342 1- 343 1- 347 1- 349 1- 370
1- 371 1- 378 1- 468 1- 472 1- 473
1- 553 1- 554 1- 557 1- 559 1- 701
1- 844 1- 864 1-1278 1-1331 1-1495
1-1741 2- 341 2- 345 2- 644 2- 645
2- 856 2- 858 2- 866 2- 873 2- 881
2-1156 2-1280 2-1446 2-1452 2-2053
2-2214
-- TRACER APPLICATIONS
1- 276 1- 342 1- 343 1- 361 1- 362
1- 364 1- 365 1- 366 1- 370 1- 371
1- 381 1- 386 1- 468 1- 472 1- 557
1- 559 1- 570 1- 571 1- 572 1- 578
1- 579 1- 583 1- 672 1- 701 1- 716
1- 830 1- 844 1- 864 1- 865 1- 872
1- 965 1-1051 1-1053 1-1278 1-1331
1-1348 1-1352 1-1356 1-1511 1-1741
2- 334 2- 341 2- 345 2- 347 2- 349
2- 642 2- 644 2- 670 2- 671 2- 672
2- 675 2- 755 2- 758 2- 797 2- 866
2- 872 2- 873 2- 880 2- 881 2- 885
2- 886 2- 887 2- 956 2-1030 2-1097

ISOTOPES
-- TRACER APPLICATIONS
2-1154 2-1156 2-1174 2-1181 2-1241
2-1452 2-1503 2-1728 2-1731 2-1733
2-1734 2-1735 2-1955 2-2053 2-2055
2-2057 2-2238
-- USES IN SYNTHESES
2- 501 2- 723
ISOTOPES SEPARATION METHODS
SEE ALSO DIFFUSION PHENOMENA
SEE ALSO SUBHEAD ISOTOPIC SEPARATION UNDER SPECIFIC ISOTOPES
-- CENTRIFUGAL
1- 478
-- ELECTROLYTIC
1- 118 1- 474 1- 980 1-1135 1-1378
2- 153 2- 184 2- 760 2- 924 2- 925
-- ELECTROMAGNETIC
1- 478 1- 478 1-1041 1-1282 1-1283
1-1644 1-1714 1-1864 2- 156
-- EXCHANGE
1- 63 1- 113 1- 474 1- 478 1-1280
1-1281 2- 954 2- 982 2-1159 2-1160
2-1798
-- GASEOUS DIFFUSION
1-1378 2-1797
-- THERMAL DIFFUSION
1- 478 1-1134 1-1280 1-1607 1-1660
2-1580

KETOSTEROIDS
-- EFFECTS OF RADIATION ON EXCRETION OF
2-1444
KILNS
-- DESIGN AND CONSTRUCTION
2-1915
KINETIC THEORY
SEE SUBHEAD EQUATIONS OF STATE UNDER GASES
KRYPTON
-- ANALYSIS
1- 115 2- 503
-- PROPERTIES CHEMICAL
2- 78
-- PROPERTIES PHYSICAL
2-1261
-- SPECTRA
2-1851
KRYPTON ISOTOPES
-- PROPERTIES NUCLEAR
1- 114 1- 117
KRYPTON KR-77
-- FORMATION OF
1-1482
-- PROPERTIES NUCLEAR
1-1482
KRYPTON KR-79
-- FORMATION OF
1-1482
-- PROPERTIES NUCLEAR
1-1482
KRYPTON KR-85
-- FORMATION OF
1-1482
KRYPTON KR-87
-- CROSS SECTION NEUTRON
2-1964
-- PROPERTIES NUCLEAR
2- 533
KURIE PLOTS
1- 797 2- 216 2-1246
KYNURENIC ACID
-- METABOLISM OF
1- 372 2-2048
KYNURENINE
-- METABOLISM OF
1- 372 2-2048

LABORATORIES RADIOCHEMICAL
-- DESIGN AND EQUIPMENT
1- 120 1- 121 1- 479 1- 961 1-1418
1-1440 2- 314 2- 316 2- 39372-1016
2-1053 2-1075 2-1264 2-1265 2-1286
2-1287 2-1288 2-1289 2-1290 2-1291
2-1450 2-1451 2-1469 2-1524 2-1525
2-1526 2-1722 2-1759 2-2224 2-2225
LABORATORY ANIMALS
SEE ALSO ANIMALS AND SPECIFIC ANIMALS SUCH AS CATS DOGS ETC
-- CARE AND TREATMENT
1- 253
LABORATORY EQUIPMENT
-- ANALYTICAL BALANCES
2-2117
-- CERAMICS TESTING MACHINES
2-1514
-- CRYSTAL GROWING APPARATUS
1-1108
-- FILTRATION APPARATUS
2- 139 2-1329
-- HOODS
1-1826
-- INDUCTION FURNACES AND HEATERS
2-1336 2-1592

LABORATORY EQUIPMENT
-- KILNS
2-1515
-- MECHANICAL STIRRERS
1- 947 2- 143
-- MICROBURETS
2- 144
-- MICROSCOPE HOT STAGES
2- 146
-- RADIATION SHIELDS
2-1451
-- URANIUM METAL DISSOLVER
2-1923
-- X-RAY DOSAGE DEVICE
2-1511
LANTHANUM
-- ANALYSIS
1- 202 1-1335 1-1939 2-1702 2-1704
2-1708 2-1709
-- IONIZATION OF
1-1911 1-1963 2-1849
-- METABOLISM AND TOXICOLOGY
1- 43 2-1161
-- PRODUCTION
1-1623
-- PROPERTIES PHYSICAL
1- 855
-- SEPARATION METHODS
1- 331 2-1447
-- SPECTRA
1-1936
LANTHANUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 704
-- PROPERTIES NUCLEAR
1- 854 1-1715
-- TRACER APPLICATIONS
1- 43
-- USES IN SYNTHESES
1- 60
LANTHANUM LA 135
-- PROPERTIES NUCLEAR
1- 703 1-1042
LANTHANUM LA 136
-- PROPERTIES NUCLEAR
1- 703
LANTHANUM LA 137
-- FORMATION OF
2-1617
-- PROPERTIES NUCLEAR
1- 703 1-1042 1-1203
LANTHANUM LA 138
-- PROPERTIES NUCLEAR
2-1617
LANTHANUM LA 139
-- PROPERTIES NUCLEAR
1-1042 1-1928
LANTHANUM LA 140
-- BIOLOGICAL EFFECTS
1- 38
-- CROSS SECTION NEUTRON
1- 975 2-2137
-- FORMATION OF
2-1665
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1- 331 2-1553 2-1554 2-1673
-- RADIOGRAPHIC USES
1-1328
LANTHANUM LA 143
-- PROPERTIES NUCLEAR
2-1666 2-1678
LANTHANUM COLLOIDS
-- PREPARATION
2-1859
LANTHANUM COMPOUNDS
-- LANTHANATE POTASSIUM FLUO-
1- 762 1- 763
-- LANTHANATE SODIUM FLUO-
1- 762
-- LANTHANUM ACETYLACETONATE
1-1716
-- LANTHANUM BROMIDE
1- 588
-- LANTHANUM CHLORIDE
1- 588
-- LANTHANUM FERRICYANIDE
2- 650
-- LANTHANUM FLUORIDE
1- 590 2-1893
-- LANTHANUM HYDROXIDE
1- 588 1-1335
-- LANTHANUM OXIDE
1-1335
-- LANTHANUM OXINATE
1-1335
-- LANTHANUM OXYSULFIDE
1- 723
-- LANTHANUM PERCHLORATE
1-1938
-- LANTHANUM PHOSPHATES
1- 705 1-1712
LARVAE
SEE EGGS AND LARVAE
LEAD
-- ANALYSIS
1-1254 1-1968 2- 59
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 140 1- 979 2- 527 2- 777 2-1596
2-2143
-- DIFFUSION IN MINERALS
2-1959
-- EFFECTS OF RADIATION ON
1- 997
-- FISSION OF
2-1975
-- PRODUCTION
1-1629
-- PROPERTIES NUCLEAR
2- 846
-- RADIATION ABSORPTION BY
1- 5 1- 73 1- 79 1- 440 1- 441
1- 442 1- 443 1- 728 1- 766 1- 886
1- 931 1-1105 1-1107 1-1374 1-1400
1-1401 1-1562 1-1564 1-1565 1-1566
1-1567 1-1568 1-1799 2- 3 2- 106
2- 111 2- 114 2- 375 2- 378 2- 379
2- 740 2- 742 2- 743 2- 915 2-1165
2-1166 2-1168 2-1200 2-1202 2-1239
2-1363 2-1365 2-1550 2-1558 2-1567
2-1769 2-1908 2-1909 2-1910 2-1911
2-1912 2-1913 2-1914 2-2096 2-2102
-- RADIATION SCATTERING BY
1- 140 1-1523 2-1973
LEAD ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 481 2-1791 2-2073 2-2123
-- PROPERTIES NUCLEAR
2-1383
LEAD PB-209
-- PROPERTIES NUCLEAR
1-1316
LEAD PB-210
-- PROPERTIES NUCLEAR
1- 330 1-1189 2- 967 2-1132
LEAD PB-212
-- PROPERTIES NUCLEAR
2- 550 2-1132 2-1440
LEAD PB-214
-- PROPERTIES NUCLEAR
2- 623
LEAD ALLOYS
-- PROPERTIES PHYSICAL
2-1588
LEAD COMPOUNDS
-- LEAD CHLORIDE
1-1586
-- LEAD CHLORIDE FLUORIDE
1-1764
-- LEAD NITRATE
2-1401
-- LEAD PHOSPHATES
2-2210
-- TETRAETHYLLEAD
1-1254
LEAK DETECTION
SEE SUBHEAD LEAK DETECTION UNDER
VACUUM SYSTEMS
LEUCYL ASPARAGINE
SEE ASPARAGINE LEUCYL
LEUKEMIA
SEE BLOOD DISEASES
LEUKOCYTES
SEE BLOOD CELLS AND BLOOD SYSTEM
LIGHT
-- VELOCITY OF
2-1432
LINEAR ACCELERATORS
SEE ACCELERATORS PARTICLE
LIPIDS
SEE ALSO CARBOHYDRATES AND PROTEINS
SPECIFIC LIPIDS ARE ALSO LISTED
INDIVIDUALLY
-- GLYCEROL TRIPALMITATE
2- 878 2-2050
-- GLYCINE INCORPORATION IN
2-2230
-- PHOSPHOLIPIDS
1- 168 1- 573 1- 581 1-1062 2- 339
2- 406 2-1151 2-1453
LIQUID LEVEL GAUGES
SEE GAUGES
LITHIUM
-- CROSS SECTION NEUTRON
1-1636 2- 777
-- PRODUCTION
1-1850 2- 764
-- PROPERTIES CHEMICAL
2- 74
-- PROPERTIES NUCLEAR
1- 5 1- 329 1- 838 1-1702 2-1264
2-2153
-- RADIATION ABSORPTION BY
2-1165
-- SPECTRA
1-1725
-- STRUCTURE CRYSTAL
2- 467

LITHIUM ISOTOPES
-- SEPARATION METHODS
2- 153 2- 154
LITHIUM LI-6
-- ABSORPTION
2- 383
-- CROSS SECTION NEUTRON
1-1636
-- PROPERTIES NUCLEAR
1- 520 1- 693 1- 815 1- 884 1-1441
1-1467 1-1863 2- 291 2-1392 2-1600
2-1611 2-1616 2-1968
-- SPECTRA
1-1732
LITHIUM LI-7
-- CROSS SECTION NEUTRON
1-1636
-- CROSS SECTION PROTON
1-1015
-- FORMATION OF
1- 4 1-1929 2-1135 2-2196
-- PROPERTIES NUCLEAR
1- 295 2- 520 2- 813 2- 884 2- 987
1-1863 2- 291 2- 568 2- 620 2- 993
2-1094 2-1135 2-1392 2-1404 2-1497
2-1611 2-1803 2-1972
-- SPECTRA
1-1732
LITHIUM LI-8
-- FORMATION OF
1-1013
-- PROPERTIES NUCLEAR
1- 167 2- 622
LITHIUM ALLOYS
-- PRODUCTION
2- 764
-- PROPERTIES CHEMICAL
1-1284
LITHIUM COMPOUNDS
-- LITHIUM BOROHYDRIDE
1- 756 2- 678
-- LITHIUM FLUORIDE
2- 121
-- LITHIUM HYDRIDE
1- 598
-- LITHIUM OXIDE
1-1545
-- LITHIUM PHOSPHATES
1-1850
-- LITHIUM SULFATE
1-1850
LITHIUM ORES
-- OCCURRENCE
2- 770
LIVER
-- EFFECTS OF PLUTONIUM COMPOUNDS ON
2-2083
-- EFFECTS OF RADIATION ON
2- 403
-- EFFECTS OF URANIUM COMPOUNDS ON
2- 406
-- METABOLISM OF COPPER IN
2-1153
-- METABOLISM OF GLYCINE IN
2-1852
-- METABOLISM OF GLYCOGEN IN
2-1459 2-1460 2-1462
-- METABOLISM OF PHOSPHOLIPIDS IN
2- 339 2-1151 2-1463
LUBRICANTS FLUOROCARBON
SEE SUBHEADS FLUOROCARBONS AND
HALOCARBONS UNDER FLUORINE COMPOUNDS
LUNG DISEASES
SEE ALSO DUST HAZARDS
-- RADIATION THERAPY
2- 861 2-1844
LUNGS
-- EFFECTS OF BERYLLIUM COMPOUNDS ON
1- 421 1-1537 1-1538 1-1539 1-1541
2- 45 2- 46 2- 48 2- 750 2- 751
2-1330 2-1512 2-1793
-- EFFECTS OF GRAPHITE ON
1- 267
LUTECIUM
-- PROPERTIES NUCLEAR
2- 992
LUTECIUM ISOTOPES
-- PROPERTIES NUCLEAR
2- 638
LUTECIUM LU-170
-- PROPERTIES NUCLEAR
1-1277
LUTECIUM LU-171
-- PROPERTIES NUCLEAR
1-1277
LUTECIUM LU-172
-- PROPERTIES NUCLEAR
1-1277
LYMPH DISEASES
SEE ALSO BLOOD DISEASES
-- RADIOISOTOPES THERAPY
1- 348 1- 352 1- 700 2- 858
LYMPH SYSTEM
SEE ALSO BLOOD SYSTEM
-- EFFECTS OF PLUTONIUM COMPOUNDS ON
1- 42
LYMPH SYSTEM
-- EFFECTS OF RADIATION ON
1- 13 1- 24 1- 613 1-1170 1-1237
1-1241 1-1243 1-1528 1-1530 2- 29
2- 28 2- 32 2- 309 2- 398 2-1320
2-1443 2-1869 2-2077
-- EFFECTS OF RADIOISOTOPES ON
1- 15
-- EFFECTS OF URANIUM COMPOUNDS ON
1- 13
LYSINE
-- METABOLISM OF
1- 367 2-1019 2-1020
-- SYNTHESIS OF LABELED
1- 759
LYSOZYME
-- INHIBITION BY RADIATION
2- 23

MAGNESIUM
-- ANALYSIS
1- 429 1- 752
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION NEUTRON
1-1631 2- 777 2-1393
-- PRODUCTION
1- 123 1- 281
-- PROPERTIES CHEMICAL
1- 757 2- 74
-- PROPERTIES NUCLEAR
1- 329 2- 8 2- 846
-- RADIATION ABSORPTION BY
2- 90 2-2107
-- RADIATION SCATTERING BY
1-1523
MAGNESIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 149
-- PROPERTIES NUCLEAR
1-1700
MAGNESIUM MG 24
-- CROSS SECTION DEUTERON
1- 812
-- PROPERTIES NUCLEAR
1- 814 1-1524 2- 1 2- 14 2-1404
2-1499
MAGNESIUM MG 25
-- PROPERTIES NUCLEAR
1- 295 1- 814 1-1894 2-1404 2-1620
MAGNESIUM MG 26
-- CROSS SECTION DEUTERON
1- 812
-- PROPERTIES NUCLEAR
1- 295 1- 814 2-1404
MAGNESIUM MG 27
-- PROPERTIES NUCLEAR
1-1034
MAGNESIUM ALLOYS
-- PRODUCTION
2- 164
-- PROPERTIES
1- 970
MAGNESIUM COMPOUNDS
-- MAGNESIUM ACETATE
1- 755
-- MAGNESIUM FLUORIDE
1-1773 1-1793
-- MAGNESIUM HYDRIDE
2- 77
-- MAGNESIUM OXIDE
1- 448 1-1545 1-1547 1-1773 1-1780
2- 54 2-1516
-- MAGNESIUM TITANATES
1-1778 1-1948
-- MAGNESIUM TUNGSTATE
2-1422
MAGNETIC FIELDS
SEE ALSO ELECTROMAGNETIC FIELDS
-- EFFECTS ON INSTRUMENTS
2- 917
-- MEASUREMENT OF
2- 495
-- METHODS OF VIEWING
2- 754
-- OF PARTICLE ACCELERATORS
2- 951 2-1815
-- PARTICLE MOTION IN
1- 309 1-1137 1-1138 2- 828 2-1078
2-1251
-- PRODUCTION OF
2- 789 2- 802
-- REGULATION OF
1- 777
MAGNETISM
-- THEORY OF
1-1471 2- 792 2-1118
MAGNETS
SEE ALSO ACCELERATORS PARTICLE
-- DESIGN AND CONSTRUCTION
2- 789 2-1548
-- FOR PARTICLE ACCELERATORS
1-1660 1-1661 2- 242 2- 244 2- 575
2- 581 2-1621
-- FOR SPECTROMETERS
1- 785 1-1598

MAIZE
SEE PLANTS
MALIC ACID
-- DEGRADATION OF
1- 618
MALONIC ACID
-- DECARBOXYLATION OF
1-1213 2- 92
MALONONITRILE
-- SYNTHESIS OF LABELED
2-1764
MAMMARY GLANDS
-- EFFECTS OF RADIATION ON
2- 399
MANDELIC ACID
-- REAGENT FOR ZR ANALYSIS
1-1788
-- SYNTHESIS OF LABELED
1- 373
MANGANESE
-- ANALYSIS
1- 429 1-1394 2-1491
-- CROSS SECTION NEUTRON
2- 525 2-1085
-- METABOLISM AND TOXICOLOGY
2- 879
-- OXIDATION AND REDUCTION STATES
1-1101
-- PRODUCTION
1-1623
-- PROPERTIES METALLURGICAL
2- 158
MANGANESE ISOTOPES
-- FORMATION OF
1- 470
-- TRACER APPLICATIONS
1- 387 1-1059 2- 879
MANGANESE MN 52
-- PROPERTIES NUCLEAR
1- 225
MANGANESE MN 55
-- PROPERTIES NUCLEAR
2-1972
MANGANESE MN 56
-- CROSS SECTION NEUTRON
1- 136 2-180
MANGANESE ALLOYS
-- PRODUCTION
2- 512
-- PROPERTIES
2- 512
-- STRUCTURE CRYSTAL
2-2128
MANGANESE COMPOUNDS
-- MANGANESE FLUORIDE
2- 525 2-1807
-- MANGANESE OXIDES
1-1101 1-1546 2- 357 2-1807
-- MANGANESE SULFATE
1-1260 2- 525 2-1807
MANNOSE
-- SYNTHESIS OF LABELED
2-2093
MASS SPECTROGRAPHY
SEE ALSO SPECTROGRAPHY
-- ISOTOPES ANALYSIS USING
1- 264 1- 466 1- 467 1- 471 1- 476
1- 706 1- 963 1- 982 1-1041 1-1282
1-1585 1-1595 1-1611 1-1714 1-1841
2- 147 2- 149 2- 150 2- 151 2- 155
2- 503 2-1077 2-1148 2-1212 2-1214
2-1271 2-1377 2-1402 2-1411 2-1581
-- TECHNIQUES AND METHODS
1- 50 1- 782 1- 783 1-1609 2- 506
2- 508 2- 927
MASS SPECTROMETERS
SEE ALSO SPECTROMETERS
-- AUXILIARIES
1- 785 1-1609 1-1842 2- 504 2- 505
2- 508 2- 926 2-1377
-- CONSTRUCTION AND OPERATION
1- 54 1- 458 1- 462 1- 786 1- 787
1-1138 1-1139 1-1283 1-1419 1-1605
1-1610 1-156 1-1834 1-1841 1-1864
2- 155 2- 156 2- 510 2-1078 2-1581
-- GAMMA RAY DETECTION WITH
2-1827
-- LEAK DETECTION WITH
1- 110 2-1496
MASURIUM
SEE TECHNETIUM
MATHEMATICS
2- 248 2- 268 2-1217 2-1218 2-1219
2-1220
MEASURING STANDARDS
2- 795
MECHANICAL STIRRERS
-- DESIGN AND CONSTRUCTION
2- 143
MECHANICS
SEE CLASSICAL MECHANICS QUANTUM MECHANICS AND STATISTICAL MECHANICS
MELTING POINT DETERMINATIONS
2- 146
MERCURY
-- ANALYSIS
1-1204 1-1968
MERCURY
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- METABOLISM AND TOXICOLOGY
1- 906
-- PRODUCTION
1-1629
-- PROPERTIES NUCLEAR
2- 233
-- RADIATION ABSORPTION BY
2-1200
-- RADIATION SCATTERING BY
1-1523
-- SEPARATION METHODS
2-1468
-- STRUCTURE ATOMIC
1- 182
MERCURY ISOTOPES
-- FORMATION OF
1- 470
-- SPECTRA
2-1292
MERCURY HG-203
-- PROPERTIES NUCLEAR
1- 688 1-1474 2-1131
-- TRACER APPLICATIONS
2-1468
MERCURY COMPOUNDS
-- MERCURY CHLORIDE
1- 906
-- MERCURY CYANIDE
1-1586
MESON FIELD THEORY
SEE ALSO ELECTROMAGNETIC FIELD THEORY AND COLLISION THEORY
SEE ALSO SUBHEADING INTERACTION UNDER NUCLEAR PARTICLES AND SUBHEADING INTERACTION WITH PARTICLES UNDER SPECIFIC PARTICLES
1- 297 1- 808 1-1004 1-1158 1-1682
1-1685 1-1692 1-1886 2- 260 2- 262
2- 266 2- 267 2- 387 2- 442 2- 534
2- 610 2- 735 2- 744 2- 775 2-1049
2-1089 2-1119 2-1168 2-1258 2-1400
2-1552 2-2136 2-2181 2-2185
MESONS
SEE ALSO COSMIC RADIATION
-- ABSORPTION
1- 73 1- 930 2- 104 2-1348 2-1562
2-2096 2-2097 2-2107
-- DETECTION AND MEASUREMENT
1- 149 1- 440 1- 509 1- 930 1-1152
1-1156 1-1300 1-1302 1-1401 1-1420
1-1422 1-1843 2- 94 2- 211 2-1071
2-1107 2-1192 2-1195 2-1547 2-1778
2-1783 2-2102
-- DIFFUSION AND SCATTERING
2- 387 2- 692
-- DISINTEGRATION
1- 625 1-1000 1-1001 1-1305 2- 90
2- 97 2- 98 2- 102 2- 104 2- 105
2- 106 2- 107 2- 108 2- 110 2- 112
2- 114 2- 442 2- 452 2- 457 2- 733
2- 735 2- 913 2-1195 2-1198 2-1202
2-1348 2-1350 2-1353 2-1357 2-1358
2-1361 2-1366 2-1552 2-1768 2-2045
2-2099
-- IN COSMIC RADIATION
1- 76 1- 79 1- 262 1- 297 1- 440
1- 445 1- 515 1- 625 1- 626 1- 629
1- 655 1- 761 1- 807 1- 811 1- 829
1- 930 1- 933 1- 934 1- 935 1- 984
1-1002 1-1105 1-1259 1-1300 1-1399
1-1422 1-1424 1-1562 1-1564 1-1615
1-1616 1-1843 1-1844 2- 92 2- 93
2- 95 2- 97 2- 98 2- 100 2- 101
2- 102 2- 103 2- 110 2- 111 2- 112
2- 113 2- 114 2- 116 2- 270 2- 440
2- 443 2- 453 2- 455 2- 458 2- 459
2- 737 2- 738 2- 740 2- 742 2- 743
2- 745 2- 912 2-1068 2-1070 2-1071
2-1196 2-1197 2-1200 2-1201 2-1203
2-1352 2-1362 2-1355 2-1548 2-1550
2-1551 2-1556 2-1558 2-1263 2-1565
2-1765 2-1769 2-1773 2-1777 2-1784
2-1908
-- INTERACTION WITH PARTICLES
1- 515 1-1313 1-1692
-- NUCLEAR POWER SOURCE
2- 99
-- NUCLEAR REACTIONS
1- 161 1- 164 1- 510 1- 655 1- 933
1- 984 1- 999 1-1401 2- 452 2- 597
2- 911 2-1191 2-1193 2-1357 2-1548
2-1554 2-1768 2-2095 2-2106
-- PRODUCTION ARTIFICIAL
1- 509 1- 511 1- 512 1- 514 1- 811
1-1420 1-1439 1-1618 2- 89 2- 447
2- 914 2-1198 2-1547 2-1763 2-2105
-- PROPERTIES
1- 8 1- 76 1- 172 1- 329 1- 445
1- 761 1- 807 1-1305 1-1399 1-1422
1-1439 1-1615 1-1616 1-1617 1-1660
1-1844 2- 90 2- 267 2- 444 2- 447
2- 449 2- 450 2- 454 2- 735 2- 739

MESONS
-- PROPERTIES
2- 741 2- 744 2- 911 2-1202 2-1548
2-1560 2-1774 2-2100 2-2104
-- WAVE EQUATIONS FOR
1- 686 1- 808 1-1313 1-1685 2- 387
2- 444 2- 603 2- 610 2- 626 2-1560
2-1630
MESOTHORIUM I
SEE RADIUM RA 228
MESOTHORIUM II
SEE ACTINIUM AC-228
MESOTRONS
SEE MESONS
METABOLISM
SEE SUBHEAD METABOLISM STUDIES WITH ISOTOPES UNDER SPECIFIC ELEMENTS SUCH AS CARBON
SEE SUBHEAD METABOLISM AND TOXICOLOGY STUDIES UNDER ANIMALS PLANTS AND SPECIFIC ANIMALS OR PLANTS SUCH AS RATS
SEE SUBHEAD METABOLISM AND TOXICOLOGY UNDER SPECIFIC ELEMENTS SUCH AS URANIUM
SEE SUBHEAD METABOLISM OF UNDER SPECIFIC ORGANIC COMPOUNDS SUCH AS GLUCOSE
METAL COMPOUNDS
-- CARBONYLS
2-1760
METAL FOIL DETECTORS
-- BERYLLIUM
1-1676
-- COBALT
2-1415
METALLOGRAPHY
SEE ALSO ANALYSIS - DIFFRACTION AND SUBHEAD DIFFRACTION UNDER ELECTRONS NEUTRONS AND X-RADIATION
1- 462 1- 484 1- 487 1- 645 1- 648
1-1425 1-1490 1-1830 2- 157 2-1124
2-1211 2-1227 2-1582
METALLURGY
1-1286 1-1425 1-1426 2- 761
METALLURGY POWDER
-- BORON
1-1141 1-1142
-- CHROMIUM
2- 158
-- GLOSSARY
1- 971
-- MANGANESE
2- 158
-- MOLYBDENUM
2- 158
-- NICKEL
2- 158 2- 933
-- TANTALUM
2- 158
-- TECHNIQUES
1- 428 1-1426 1-1851 1-1853 2-1083
2-2130
-- TITANIUM
2- 158 2-1584
-- VANADIUM
2- 158
-- ZIRCONIUM
2- 158
METALS
SEE ALSO ALLOYS PHASE SYSTEMS AND SPECIFIC METALS
-- ANALYSIS
1- 432 1-1511 2- 63
-- ANALYSIS FOR GASES IN
1-1251 2-1336
-- CERAMIC COATINGS FOR
1-1526 1-1547
-- CORROSION
1- 438 1- 624 1- 928 1-1556 1-1559
1-1706 2- 87 2- 730
-- DIFFUSION OF
2-1957
-- EFFECTS OF RADIATION ON
1- 67 2-1124
-- ELECTRON EMISSION FROM
2-1627
-- HYSTERESIS AND FATIGUE
2-1082
-- PLASTIC BONDING OF
1- 480 1-1141 1-1142 2- 159
-- PRODUCTION
1- 123 1-1426
-- PROPERTIES
1- 646 1- 648 1-1425 1-1907 2- 157
2-2126
-- RADIATION ABSORPTION BY
2-1562
-- STRUCTURE ATOMIC
2- 157
-- STRUCTURE CRYSTAL
1- 270 1- 282 1- 484 1- 488 1-1810
METEORITES
-- GALLIUM AND PALLADIUM CONTENT
2-2138
METEORITES
-- HELIUM CONTENT
1- 934
-- ISOTOPES ABUNDANCE IN
1- 958 1-1292 2- 16
METEOROLOGY
SEE STACK METEOROLOGY
METHACRYLATE METHYL
-- PLASTIC BONDING USES
1-1141
-- PROPERTIES CHEMICAL
1- 877
METHADON
-- EFFECT ON PHOSPHORUS METABOLISM
2-1296
-- SYNTHESIS OF LABELED
1- 923
METHANE
-- ISOTOPIC SEPARATION
1- 478
-- PROPERTIES NUCLEAR
1-1881
-- SYNTHESIS OF LABELED
2- 437
METHANE MONODEUTERO
-- PROPERTIES NUCLEAR
1-1881 2-1233
-- SPECTRA
1-1211
METHANE TETRADEUTERO
-- SPECTRA
1-1211
METHANE TRIPHENYL-
-- RADIATION DETECTION USES
1-1646 2- 975
METHANES CHLORO-
-- PROPERTIES CHEMICAL
1-1264
-- SPECTRA
2- 135 2- 331 2-1724
-- THERMODYNAMICAL PROPERTIES
2- 135
METHANOL
SEE METHYL ALCOHOL
METHIONINE
-- EFFECTS OF RADIATION ON
1-1036
-- METABOLISM OF
1- 393 1- 569 2- 900 2-1465 2-1726
2-2237
METHYL ACETATE
SEE ACETATE METHYL
METHYL ACRYLATE
SEE ACRYLATE METHYL
METHYL ALCOHOL
-- ADSORPTION ON OXIDES
1-1906
-- NEUTRON RETARDATION BY
1- 291
-- SURFACE TENSION OF URANYL SALT SOLUTIONS
2- 366
METHYL P-AMINOPHENOL
SEE PHENOL METHYL-P-AMINO-
METHYL CHLORIDE
SEE METHANES CHLORO-
METHYLCHOLANTHRENE
SEE CHOLANTHRENE 3-METHYL
METHYL FLUORIDE
-- PROPERTIES PHYSICAL
2- 134
-- STRUCTURE MOLECULAR
2-1918
METHYLENE BROMIDE
-- QUENCHING AGENT IN GM COUNTERS
2-2170
METHYL HEXYL KETONE
SEE OCTANONE-2
METHYL ISOBUTYL KETONE
SEE PENTANONE 2 4-METHYL
METHYLNAPHTHOHYDROQUINONES
SEE NAPHTHOHYDROQUINONES METHYL-
METHYLNAPHTHOQUINONE
SEE NAPHTHOQUINONE 2 METHYL
METHYLNICOTINAMIDE
SEE NICOTINAMIDE N-METHYL-
METHYL PENTANONE
SEE PENTANONE 2 4-METHYL-
METHYLTESTOSTERONE
-- SYNTHESIS OF LABELED
2-1546
METHYLTHIOURACIL
SEE THIOURACIL METHYL-
MICA
-- RADIATION ABSORPTION BY
2- 382
MICE
-- EFFECTS OF RADIATION ON
1- 14 1- 27 1- 28 1- 31 1- 32
1- 40 1- 234 1- 322 1- 407 1- 419
1- 738 1- 740 1- 895 1-1239 1-1240
1-1243 2- 28 2- 40 2- 400 2-1056
2-1059 2-1061 2-1126 2-1319 2-1323
2-1324 2-1507 2-1511 2-1698 2-1844
2-2077 2-2078

MICE
-- METABOLISM AND TOXICOLOGY STUDIES
1- 14 1- 40 1- 420 1- 581 1- 750
1- 751 1-1216 1-1353 1-1390 1-1489
1-1736 1-1765 2- 408 2- 657 2- 669
2- 901 2-1023 2-1024 2-1178 2-1330
2-1457 2-1458 2-1726 2-1852 2-2083
2-2228
MICROBURETS
-- DESIGN AND CONSTRUCTION
2- 144
MICROSCOPE HOT STAGES
-- DESIGN AND CONSTRUCTION
2- 146
MICROSCOPES
-- PHOTOGRAPHIC EMULSION EXAMINATION WITH
2-2171
MICROWAVE GAS DISCHARGE COUNTERS
-- DESIGN AND CONSTRUCTION
2- 551
MICROWAVES
-- ABSORPTION
2- 945 2-1916
-- DETECTION AND MEASUREMENT
2-1930 2-1937 2-1949 2-2134
-- TRANSMISSION
2-1928 2-1931 2-1933 2-1935 2-1938
2-1939 2-1940 2-1943 2-1944 2-1945
2-1948 2-1950 2-1951 2-1952 2-1953
2-2132 2-2133 2-2135
MINERAL RESOURCES
-- BRAZIL
1- 131 1- 790 1-1290
-- CANADA
1- 130 1-1144 1-1145 1-1429 1-1629
-- CZECHOSLOVAKIA
1-1287
-- FRANCE
1-1289 1-1855
-- HUNGARY
1-1630
-- SPAIN
1-1288
-- UNITED STATES
1- 972 1-1629
-- VENEZUELA
1- 127
MINERALS
SEE ORES AND MINERALS
MOLDS
SEE ALSO ALGAE FUNGI AND PLANTS
-- EFFECTS OF RADIATION ON
1- 229
-- METABOLISM AND TOXICOLOGY STUDIES
2- 900 2-1456
MOLECULAR STRUCTURE
SEE STRUCTURE MOLECULAR
MOLYBDENUM
-- ANALYSIS
2- 66 2-1491
-- CROSS SECTION DEUTERON
2- 640
-- CROSS SECTION PROTON
2- 640
-- EFFECTS OF RADIATION ON
1- 997
-- ELECTRON EMISSION FROM
2- 787
-- PROPERTIES CHEMICAL
2- 928
-- PROPERTIES METALLURGICAL
1-1427 1-1774 2- 53 2- 158
-- PROPERTIES NUCLEAR
1- 544 1- 834 1-1506 2- 574
-- RADIATION ABSORPTION BY
1- 728
-- STRUCTURE CRYSTAL
1-1109 1-1404 1-1584
MOLYBDENUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 305
MOLYBDENUM MO-92
-- PROPERTIES NUCLEAR
2- 639
MOLYBDENUM MO-93
-- TRACER APPLICATIONS
1-1958
MOLYBDENUM MO-94
-- PROPERTIES NUCLEAR
1- 299 2- 640
MOLYBDENUM MO-95
-- PROPERTIES NUCLEAR
1- 299 1- 300 2- 640
MOLYBDENUM MO-96
-- PROPERTIES NUCLEAR
1- 300 2- 640
MOLYBDENUM MO-97
-- PROPERTIES NUCLEAR
1- 300
MOLYBDENUM MO-98
-- PROPERTIES NUCLEAR
1- 299
MOLYBDENUM MO-99
-- TRACER APPLICATIONS
1-1958 2- 344
MOLYBDENUM ALLOYS
-- PROPERTIES
2-2127
MOMENT
SEE SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD SPIN AND MOMENT UNDER SPECIFIC PARTICULATE RADIATIONS
MONAZITE
SEE THORIUM ORES
MONKEYS
-- EFFECTS OF RADIATION ON
2-1509
-- METABOLISM AND TOXICOLOGY STUDIES
2-1512
MONOBROMOBENZENE
SEE BENZENE MONOBROMO-
MUCOUS MEMBRANES
-- EFFECTS OF RADIATION ON
2-1128 2-1321
MUREXIDE
-- ANALYTICAL REAGENT FOR RARE EARTHS
1- 853
MUTATION
SEE CHROMOSOMES EFFECTS OF RADIATION ON

NAPHTHACENE
-- ENERGY LEVELS IN
2-1493
NAPHTHALENE
-- CRYSTAL PRODUCTION
2- 212
-- ENERGY LEVELS IN
2-1453
-- LUMINESCENCE
2- 547 2- 548
-- RADIATION DETECTION USES
1- 992 1-1148 1-1700 2- 191 2- 204
2- 212 2- 960 2- 975 2-1422 2-1826
NAPHTHALENE ALPHA-BROMO
-- BROMINE ISOTOPES EXCHANGE
2- 348
NAPHTHOHYDROQUINONES METHYL-
-- THERAPEUTIC USES
2-2035
NAPHTHOQUINONE 2 BROMO-3-HYDROXY-
-- METABOLISM OF
1- 576
NAPHTHOQUINONE-2 METHYL
-- EFFECTS OF RADIATION ON
2-1262
NAPHTHYLAMINE
-- ANALYTICAL REAGENT FOR V
1-1783
NASOPHARYNX DISEASES
SEE ALSO PHARYNX
-- RADIATION THERAPY
2-2036 2-2215
NAVAL VESSELS
-- NUCLEAR POWER FOR
1- 888 1-1377 2- 701 2-1173
NEMBUTAL
SEE SODIUM COMPOUNDS SODIUM PENTABARBITAL
NEODYMIUM
-- ANALYSIS
1- 358 1-1337 2- 864 2-1703 2-1704
2-1705 2-1708 2-1709
-- IONIZATION OF
1-1849
-- PROPERTIES NUCLEAR
2-1675
-- SEPARATION METHODS
1-1713
-- SPECTRA
1-1334 1-1938
NEODYMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 706 2-1015
-- FORMATION OF
2-1675 2-2220
-- PROPERTIES NUCLEAR
1- 854
NEODYMIUM ND 140
-- PROPERTIES NUCLEAR
2-1449
NEODYMIUM ND 141
-- PROPERTIES NUCLEAR
2-1449
NEODYMIUM ND 143
-- CROSS SECTION NEUTRON
2-1087
NEODYMIUM ND 147
-- PROPERTIES NUCLEAR
2-1674
NEODYMIUM COMPOUNDS
-- NEODYMIUM ACETYLACETONATE
1-1716 2- 864
-- NEODYMIUM BROMATE
2-1719
-- NEODYMIUM BROMIDE
2- 864
-- NEODYMIUM CHLORIDE
1- 588

NEODYMIUM COMPOUNDS
-- NEODYMIUM HYDROXIDE
1- 586 1-1337
-- NEODYMIUM OXALATE
1-1337
-- NEODYMIUM PERCHLORATE
1-1938
-- NEODYMIUM PHOSPHATES
1- 705 1-1712
-- NEODYMIUM SULFATE
2- 664
NEON
-- ANALYSIS
2- 503
-- PROPERTIES NUCLEAR
1- 402 2- 571
-- PROPERTIES PHYSICAL
2-1261
-- RADIATION SCATTERING BY
1- 401
-- SPECTRA
2- 326 2-1851
-- STRUCTURE ATOMIC
2- 326
NEON NE-20
-- FORMATION OF
2- 13
-- PROPERTIES NUCLEAR
2- 14
NEON NE-22
-- PROPERTIES NUCLEAR
2- 566
NEON NE-23
-- FORMATION OF
2- 568
NEONANTERGAN
SEE ANTIHISTAMINIC DRUGS
NEOPLASTIC TISSUE
-- METHIONINE DISTRIBUTION IN
2-1726
NEPTUNIUM
-- DISCOVERY AND NAMING
1-1513 2- 888
-- FISSION OF
2- 351
-- METABOLISM AND TOXICOLOGY
2-1161
-- OXIDATION AND REDUCTION STATES
1-1064 2-1161 2-1740 2-2060
-- PROPERTIES CHEMICAL
1- 207 1- 397 1-1959 2-351 2-0578
2-1740 2-2060
-- PROPERTIES METALLURGICAL
1-1959
-- PROPERTIES NUCLEAR
1- 193 1- 542 2- 989 2-2059
-- PROPERTIES PHYSICAL
1- 207
-- SPECTRA
1-1221 2-1301
-- STRUCTURE ATOMIC
2-1033 2-1479
NEPTUNIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1962
-- TRACER APPLICATIONS
2-2060
NEPTUNIUM NP 234
-- FORMATION OF
1-1229 2-1489 2-1614
-- PROPERTIES NUCLEAR
2-1489 2-1614
NEPTUNIUM NP 235
-- FORMATION OF
2-1489
-- PROPERTIES NUCLEAR
2-1489
NEPTUNIUM NP 236
-- FORMATION OF
2-1477 2-1489
-- PROPERTIES NUCLEAR
2-1489
NEPTUNIUM NP 237
-- CROSS SECTION NEUTRON
2-1476
-- FISSION OF
2-1476
-- FORMATION OF
1- 879
-- PROPERTIES NUCLEAR
1- 206 1-1064 1-1066 2- 888 2-1306
2-1477
NEPTUNIUM NP 238
-- FORMATION OF
2-1477
NEPTUNIUM NP 239
-- FORMATION OF
2-1470
NEPTUNIUM COMPOUNDS
-- NEPTUNIUM BROMIDES
2- 889
-- NEPTUNIUM CHLORIDES
2- 889
-- NEPTUNIUM FLUORIDES
2- 889
NEPTUNIUM COMPOUNDS
-- NEPTUNIUM IODIDES
2- 889
-- NEPTUNIUM OXIDES
1-1064 2- 888 2- 889
-- NEPTUNIUM OXYSULFIDE
2- 889
-- NEPTUNIUM SILICIDES
1- 585
-- NEPTUNIUM SULFIDES
2- 889
-- NEPTUNYL ACETATE SODIUM
1-1064 2- 888 2- 889 2-1740
-- SYNTHESIS OF
2- 889
NERVES
-- EFFECTS OF RADIATION ON
2- 643 2-1700
-- POTASSIUM METABOLISM IN
2- 668
NEUROSPORA
SEE MOLDS
NEUTRINOS
-- FROM BETA DECAY
1-1375 1-1424
-- FROM FISSION PRODUCTS
1- 194
-- FROM URANIUM FISSION
1-1864
-- PROPERTIES
1- 3 1- 225 1-1113 2- 113 2- 626
2- 637 2- 850 2- 968 3- 972 2- 988
2-1228 2-1552 2-1890
NEUTRON CROSS SECTIONS
SEE ALSO SUBHEAD CROSS SECTION NEUTRON
UNDER SPECIFIC ELEMENTS AND ISOTOPES
-- GRAPHS
1-1638
-- MEASUREMENT OF
1-1640 2- 166 2- 168 2- 524 2- 530
2- 777 2-1385 2-1963 2-1969
-- TABLES
1- 652 1-1165
NEUTRON WELL LOGGING
SEE PETROLEUM- RADIATION LOGGING OF
NEUTRONS
SEE ALSO COSMIC RADIATION NUCLEAR
PARTICLES AND RADIATION
-- ABSORPTION
1- 132 1- 977 1- 982 1-1857 2- 372
2- 530 2- 937 2- 941 2-1087 2-1801
2-1804 2-1963 2-1972
-- BIOLOGICAL EFFECTS
1- 17 1- 18 1- 34 1- 234 1- 243
1- 247 1- 248 1- 407 1- 408 1- 555
1- 740 1- 895 1-1239 1-1240 1-1241
2- 34 2- 402 2-1507 2-1509 2-1892
-- CHEMICAL EFFECTS
1-1086 1-1125
-- DETECTION AND MEASUREMENT
1- 149 1- 494 1- 660 1- 759 1- 922
1- 974 1-1114 1-1132 1-1267 1-1295
1-1647 1-1650 1-1700 1-1873 2- 182
2- 197 2- 226 2- 840 2- 556 2- 812
2-1099 2-1248 2-1340 2-1384 2-1415
2-1420 2-1423 2-1801 2-1876 2-2009
-- DIFFRACTION
1- 496 1- 617 1- 792 1- 985 1-1163
1-1262 1-1638 1-1641
-- DIFFUSION AND SCATTERING
1- 132 1- 133 1- 135 1- 139 1- 140
1- 142 1- 145 1- 287 1- 291 1- 507
1- 508 1- 650 1- 651 1- 656 1- 658
1- 791 1- 792 1- 793 1- 859 1- 977
1- 981 1- 985 1- 987 1-1164 1-1164
1-1166 1-1168 1-1434 1-1517 1-1633
1-1634 1-1636 1-1637 1-1639 1-1642
1-1656 1-1860 1-1861 1-1862 1-1863
1-1865 2- 170 2- 172 2- 177 2- 178
2- 372 2- 378 2- 388 2- 524 2- 525
2- 527 2- 528 2- 529 2- 532 2- 534
2- 773 2- 776 2- 781 2- 805 2- 938
2- 939 2- 940 2- 941 2-1047 2-1065
2-1088 2-1226 2-1387 2-1389 2-1390
2-1391 2-1394 2-1596 2-1597 2-1601
2-1602 2-1603 2-1605 2-1606 2-1615
2-1802 2-1805 2-1806 2-1807 2-1969
2-1973 2-2140 2-2142
-- DOSAGE DETERMINATIONS
1- 609 1- 740 1- 974 1-1114 1-1240
1-1412 1-1519
-- FROM ALUMINIUM ISOTOPES
1- 288
-- FROM ARGON ISOTOPES
2- 571
-- FROM BERYLLIUM ISOTOPES
1- 288 1- 329 1- 621 1- 960 1-1015
1-1278 2-1618 2-2139
-- FROM CARBON ISOTOPES
2-1618
-- FROM FISSION PRODUCTS
1- 194 1- 473 1-1278
-- FROM HYDROGEN ISOTOPES
2- 173 2- 536
-- FROM KRYPTON ISOTOPES
2- 533

NEUTRONS
-- FROM LITHIUM ISOTOPES
2-1618 2-1803
-- FROM MAGNESIUM ISOTOPES
1- 286
-- FROM NEON ISOTOPES
2- 571
-- FROM NITROGEN ISOTOPES
2- 531 2- 533 2-1971
-- FROM OXYGEN ISOTOPES
1-1860 2-1970
-- FROM THORIUM FISSION
1-1864
-- FROM URANIUM FISSION
1-1864 2- 171
-- FROM XENON ISOTOPES
2- 533
-- IN COSMIC RADIATION
1- 73 1- 260 1- 302 1- 655 1- 983
1- 984 1-1566 2- 103 2- 538 2-1561
2-1566 2-1775 2-1781
-- NUCLEAR REACTIONS
1- 4 1- 114 1- 115 1- 117 1- 134
1- 166 1- 169 1- 289 1- 290 1- 302
1- 469 1- 470 1- 493 1- 497 1- 498
1- 519 1- 543 1- 692 1- 704 1- 791
1- 813 1- 834 1- 854 1- 878 1- 955
1- 976 1- 978 1- 979 1- 981 1- 988
1-1011 1-1013 1-1029 1-1034 1-1065
1-1167 1-1191 1-1203 1-1250 1-1292
1-1293 1-1294 1-1357 1-1431 1-1486
1-1631 1-1632 1-1643 1-1752 1-1758
1-1858 1-1864 1-1941 2- 20 2- 168
2- 174 2- 175 2- 178 2- 234 2- 264
2- 299 2- 351 2- 363 2- 392 2- 393
2- 432 2- 497 2- 500 2- 523 2- 535
2- 539 2- 566 2- 631 2- 774 2- 777
2- 783 2- 848 2- 936 2- 939 2- 956
2- 994 2-1000 2-1037 2-1038 2-1053
2-1074 2-1097 2-1135 2-1138 2-1145
2-1310 2-1312 2-1318 2-1388 2-1393
2-1401 2-1402 2-1441 2-1470 2-1475
2-1478 2-1540 2-1598 2-1599 2-1600
2-1607 2-1608 2-1660 2-1665 2-1675
2-1687 2-1799 2-1843 2-1866 2-1972
2-1974 2-1975 2-2020 2-2022 2-2027
2-2141 2-2145 2-2204 2-2209 2-2220
2-2241
-- POLARIZATION
1- 141 1- 657 1-1637 2- 172 2- 592
-- PROPERTIES
1- 143 1- 509 1- 981 1- 986 1-1025
1-1862 2- 169 2- 296 2-1090 2-1383
2-1390 2-1616 2-2151
-- SOURCES AND STANDARDS
1- 194 1- 473 1- 621 1- 980 1-1015
1-1278 1-1432 1-1433 1-1435 1-1635
1-1657 1-1673 2- 167 2- 244 2- 752
2- 948 2- 949 2- 956 2-1074 2-1193
2-1239 2-1392 2-1803 2-1804 2-1876
2-2139
-- SPIN AND MOMENT
1- 653 1- 801 1-1633 1-1641 1-1642
1-1866 2- 537 2- 775 2-1089 2-1394
2-1428 2-2185
-- THERAPEUTIC USES
1- 347 1- 555 1- 560 1- 846
NICKEL
-- ANALYSIS
1-1968 2-1491
-- CROSS SECTION NEUTRON
1-1636 2- 526
-- ELECTRON EMISSION FROM
2- 787
-- PROPERTIES METALLURGICAL
2- 158 2- 514 2- 933
-- PROPERTIES NUCLEAR
2- 8 2-1441 2-1814
-- PROPERTIES PHYSICAL
1- 446 2-2125
-- SINTERING USES
2-1079
-- SPECTRA
1-1210
-- STRUCTURE ATOMIC
1-1577 1-1721
-- STRUCTURE CRYSTAL
1-1577
NICKEL ISOTOPES
-- CROSS SECTION NEUTRON
2-1385
-- PACKING FRACTIONS
2-1983
NICKEL NI 57
-- FORMATION OF
2-1617
NICKEL NI 58
-- CROSS SECTION NEUTRON
1-1636 2- 166
-- PROPERTIES NUCLEAR
2-1617 2-1972 2-1983
-- SPECTRA
1-1721
NICKEL NI 59
-- PROPERTIES NUCLEAR
1-1153
NICKEL NI 60
-- CROSS SECTION NEUTRON
1-1636 2- 166
-- PROPERTIES NUCLEAR
2- 1 2-1983
-- SPECTRA
1-1721
NICKEL NI 61
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NICKEL NI 62
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NICKEL NI 63
-- TRACER APPLICATIONS
1- 873
NICKEL NI 64
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NICKEL ALLOYS
-- PRODUCTION
1-1651 2- 512 2-1083 2-1380
-- PROPERTIES
1-1832 2- 512 2- 930 2-2127 2-2129
-- SPECTRA
1-1347
-- STRUCTURE CRYSTAL
2-2128
NICKEL COMPOUNDS
-- NICKEL OXIDE
1-1545 1-1546 1-1636
NICKEL FILMS
-- BIBLIOGRAPHY
2- 514
NICOTINAMIDE
-- SYNTHESIS OF LABELED
2- 910
NICOTINAMIDE N-METHYL-
-- METABOLISM OF
1-1052
-- METABOLISM PRODUCT
1- 369 1- 372
NICOTINE
-- SYNTHESIS OF LABELED
2- 75
NICOTINIC ACID
-- METABOLISM OF
2-1456 2-2048 2-2049
NIOBIUM
SEE COLUMBIUM
NITROBENZOIC ACID
SEE BENZOIC ACID NITRO-
NITROGEN
-- ANALYSIS
1- 754 1-1093 2-1336
-- CROSS SECTION NEUTRON
1- 144 1- 740 1-1631 2- 777 2-1393
-- IONIZATION OF
2- 251 2- 967
-- METABOLISM STUDIES WITH ISOTOPES
1- 363 1- 367 1- 368 1- 382 1- 708
1- 865 1-1051 2- 332 2- 875 2- 884
2-1466
-- PROPERTIES CHEMICAL
1- 926
-- PROPERTIES NUCLEAR
1- 302 1- 329 1- 402 2- 177
-- PROPERTIES PHYSICAL
1- 188 2-1242
-- PURIFICATION
1- 620
-- RADIATION ABSORPTION BY
2-1050 2-1165
-- RADIATION SCATTERING BY
1- 401 2- 691
-- RADIATION STOPPING BY
2-1171
-- SEALS AND GASKETS FOR
1-1827
-- SPECTRA
1-1725
NITROGEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471
-- SEPARATION METHODS
1- 478 1-1281
-- TRACER APPLICATIONS
1-1051 2-1466
-- USES IN SYNTHESES
2-1466 2-1764
NITROGEN N-12
-- PROPERTIES NUCLEAR
2-1265
NITROGEN N-13
-- FORMATION OF
1- 489 1-1893 2-1403 2-1618
-- PROPERTIES NUCLEAR
1-1039

NITROGEN N-14
-- CROSS SECTION NEUTRON
2- 174
-- FORMATION OF
1-1693
-- PROPERTIES NUCLEAR
1- 4 1- 295 1- 497 2- 8 2- 174
2- 568 2- 763 2-1141 2-1161 2-1401
2-1403 2-1404
-- USES IN SYNTHESES
2- 331
NITROGEN N-15
-- FORMATION OF
1- 83
-- ISOTOPIC SEPARATION
1- 113
-- PROPERTIES NUCLEAR
1- 295
-- TRACER APPLICATIONS
1- 363 1- 367 1- 368 1- 382 1- 708
1- 855 2- 132 2- 884
-- USES IN SYNTHESES
2- 725
NITROGEN N-16
-- PROPERTIES NUCLEAR
2- 533 2-1980
NITROGEN N-17
-- FORMATION OF
2-1971
-- PROPERTIES NUCLEAR
2- 531 2-1970 2-1971
NITROGEN COMPOUNDS
SEE ALSO AMMONIUM COMPOUNDS
-- AMMONIA
1- 471 1-1502 2- 331
-- NITRIC ACID
1-1963 2- 725
-- NITRIDES METALLIC
1- 764 1-1614
NOMENCLATURE
SEE BIOLOGICAL NOMENCLATURE AND CHEMICAL NOMENCLATURE
NUCLEAR DISINTEGRATION
SEE SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD NUCLEAR REACTIONS UNDER SPECIFIC PARTICULATE AND WAVE RADIATIONS
NUCLEAR FORCES
-- THEORY OF
1- 297 1- 513 1- 668 1- 806 1-1157
1-1444 1-1471 1-1682 1-1689 1-1692
2- 267 2- 274 2- 598 2- 600 2- 608
2- 944 2- 946 2-1049 2-1091 2-1122
2-1230 2-1400 2-1985 2-2167
NUCLEAR MOMENT
SEE SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENT AND ISOTOPES
SEE SUBHEAD SPIN AND MOMENT UNDER SPECIFIC PARTICULATE RADIATIONS
NUCLEAR PARTICLES
SEE ALSO RADIATION AND SPECIFIC PARTICULATE RADIATIONS SUCH AS ALPHA PARTICLES
-- ABSORPTION
2-1048 2-1259 2-1990
-- BIBLIOGRAPHY
2-2002
-- DETECTION AND MEASUREMENT
2- 214 2-1254 2-1418
-- DIFFUSION AND SCATTERING
1- 513 1-1524 1-1639 2- 10 2- 11
2- 388 2-1046 2-1048 2-1050 2-1051
2-1122 2-1237 2-1308 2-1431 2-1498
2-1612 2-1990 2-2070
-- INTERACTION
1- 513 1-1004 1-1444 1-1471 1-1472
1-1692 2- 598 2- 944 2-1258
-- NUCLEAR REACTIONS
1-1436 2-1168 2-1812
-- PROPERTIES
1- 138 1- 163 1- 173 1- 296 1- 809
1- 929 1- 935 1-1002 1-1157 1-1159
1-1286 1-1303 1-1304 1-1306 1-1379
1-1382 1-1444 1-1674 1-1692 1-1883
1-1884 1-1885 2- 944 2- 972 2-1091
2-1254
-- SPECTRA
1- 156 1- 799
-- SPIN AND MOMENT
1- 156 1- 166 1- 566 1- 709 1- 977
1-1159 1-1613 1-1614 1-1658 2- 266
2-1120 2-1123 2-1427 2-1652 2-1831
-- WAVE EQUATIONS FOR
1- 320 1- 535 1- 832 1-1471 1-1571
1-1682 1-1689 2- 259 2- 266 2- 268
2- 274 2- 601 2- 602 2- 603 2- 604
2- 610 2- 819 2- 826 2- 828 2- 829
2- 830 2-1120 2-1259 2-1427 2-1429
2-1652 2-1829 2-1831 2-2167 2-2189
NUCLEAR PHYSICS
SEE PHYSICS NUCLEAR
NUCLEAR POWER
SEE ALSO ATOMIC BOMBS REACTORS AND SUBHEAD FISSION OF UNDER SPECIFIC FISSIONABLE ELEMENTS AND ISOTOPES SUCH AS URANIUM U-235 AND THORIUM
NUCLEAR POWER
-- BIBLIOGRAPHY
1-1761 1-1795
-- ECONOMIC ASPECTS
1- 68 1-1757 2- 21 2- 702 2-1173
-- ENGINEERING PROBLEMS
1- 11 1- 12 1- 228 1- 601 1- 730
1-1378 1-1525 1-1759 2-1173 2-1174
2-1505
-- FUNDAMENTAL CONCEPTS
1- 10 1- 11 1- 178 1- 509 1- 601
1- 730 1- 890 1- 891 1-1256 1-1379
1-1381 1-1382 1-1439 1-1758 2- 99
2-1054 2-1145 2-1174 2-1312 2-1316
2-1318 2-2075
-- LEGAL ASPECTS
1-1796
-- POLITICAL ASPECTS
1-1795 1-1797 2- 85 2- 86
-- SOCIAL IMPLICATIONS
1- 68 1- 521 1- 944 1-1052 1-1398
1-1555 1-1795 1-1797 2- 86 2- 729
2- 896
NUCLEAR REACTIONS
SEE ALSO SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENTS AND ISOTOPES AND SUBHEAD NUCLEAR REACTIONS UNDER SPECIFIC WAVE AND PARTICULATE RADIATIONS
-- FUNDAMENTAL CONCEPTS
2- 569 2-1990
NUCLEAR REACTORS
SEE REACTORS
NUCLEAR SPIN
SEE SUBHEAD PROPERTIES NUCLEAR UNDER SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD SPIN AND MOMENT UNDER SPECIFIC PARTICULATE RADIATIONS
NUCLEIC ACIDS
-- ANALYSIS
2- 899 2-1894 2-2086
-- METABOLISM OF
1- 363 1- 382 1- 392 1- 863 2- 397
2- 708 2-1151 2-1463 2-1853 2-1856
2-1892
NUCLEONS
SEE NUCLEAR PARTICLES AND SPECIFIC NUCLEONS SUCH AS ALPHA PARTICLES
NUCLEOPROTEINS
-- METABOLISM OF
2-1856

OCEAN SEDIMENTS
-- RADIOACTIVITY OF
2-1920
OCTANONE-2
-- SOLUBILITY OF THORIUM NITRATE
1- 258
OIL
SEE PETROLEUM
ORES AND MINERALS
SEE ALSO SPECIFIC ORES SUCH AS URANIUM ORES
-- DETERMINATION OF BERYLLIUM IN
2-1594
-- DETERMINATION OF CERIUM IN
2-1720
-- DETERMINATION OF RADIOACTIVITY IN
2- 165 2-1224 2-1824
-- DETERMINATION OF RARE EARTHS IN
2-1720
-- DETERMINATION OF TRACE ELEMENTS IN
2-1595
ORGANIC COMPOUNDS
SEE ALSO ANTIBIOTICS CARBOHYDRATES ENZYMES FLUORINE COMPOUNDS HORMONES LIPIDS PROTEINS RUBBER AND ELASTOMERS AND VITAMINS SPECIFIC ORGANIC COMPOUNDS ARE ALSO LISTED ALPHABETICALLY
-- ACENAPHTHENE
1-1646 2- 975
-- ACETATE AMYL
1- 291
-- ACETATE ETHYL
1- 291
-- ACETATE METHYL
1- 291
-- ACETATE VINYL
1- 877
-- ACETATES FLUORO-
1-1784
-- ACETIC ACID
1- 299 1- 291 1- 394 1- 396 1-1213
2- 883 2-1462 2-1732 2-2236
-- ACETIC ACID 3-INDOLE-
2-1762
-- ACETONE
1- 291 2-1741
-- ACETONE THENOYLTRIFLUORO-
1-1781 2-1935
-- ACETOPHENONE DIBROMO
1- 373
-- ACETYLENE
1- 259

ORGANIC COMPOUNDS
-- ACETYLENEDICARBOXYLIC ACID
2-1761
-- ACRIDINE
2-1453
-- ACRYLATE METHYL
1- 877
-- ADENINE
2-1764 2-2086
-- ADENOSINETRIPHOSPHATE
1- 374 2- 49
-- ALANINE
1- 377 1-1055 1-1214 1-1354 1-1552
-- AMINO ACIDS
1- 749 1-1053 1-1093 1-1214 1-1238
1-1552 1-1553 2- 55 2- 427 2- 667
2- 900
-- AMYL ALCOHOL
1- 291
-- ANALYSIS
1- 50 1- 251 1- 471 1- 617 1-1255
1-1345 1-1552 1-1784 2- 70 2- 427
2- 429 2- 899 2-1759
-- ANTHRACENE
1- 81 1- 107 1- 109 1- 992 1- 995
1-1442 1-1515 1-1576 2- 191 2- 212
2- 464 2- 542 2- 960 2- 975 2-1248
2-1453 2-1828 2-2009
-- ANTHRANILIC ACID
1-1646 2- 358 2- 901 2- 908 2- 975
2-1456
-- ANTIHISTAMINIC DRUGS
1-1766 2- 835
-- ARGININE
1-1214 2-1019
-- ASPARAGINE
1- 393
-- ASPARAGINE CHLOROACETYL
1-1767
-- ASPARAGINE GLYCYL-
1-1767
-- ASPARAGINE LEUCYL-
1-1767
-- ASPARTIC ACID
1- 618 1-1214 1-1354 1-1552 2-1020
2-1732
-- BARBITAL SODIUM
2-1296
-- BENZANTHRACENE
1-1646 2- 975
-- BENZENE
1- 196 1- 291
-- BENZENE MONOBROMO-
2- 348
-- BENZENE HEXABROMO-
2-1453
-- BENZENE O DICHLORO-
1- 413
-- BENZENE P DICHLORO-
1- 842
-- BENZENE HEXACHLORO-
1- 842
-- BENZIDINE
1-1783
-- BENZIDINE DIAMINO-
2- 60
-- BENZOIC ACID
2-1761
-- BENZOIC ACID P-AMINO
1- 393 2- 901
-- BENZOIC ACID M-NITRO
1-1204
-- BENZYL FLUORIDES SUBSTITUTED
2- 478
-- BIBENZYL DIFLUORO-
1-1409
-- BIPHENYL
1-1646 2- 975 2-1422
-- BROMOFORM
1- 413
-- BUTENE 1
1-1585
-- BUTENE 2
1-1585
-- BUTYL ALCOHOL I
2-1741
-- BUTYL ALCOHOL T
2-1741
-- BUTYL BROMIDE N
1-1135 2- 760
-- BUTYL PHOSPHATE
2-1448
-- BUTYRIC ACID GAMMA TRIFLUORO-
1-1589
-- CARBON TETRABROMIDE
2-1138
-- CARBON TETRACHLORIDE
1- 546 1-1818 1-1906 2- 128 2- 130
2- 437
-- CARBON TETRAHALIDES
1-1456
-- CARBONYL FLUORIDE
2-1208
-- CARMINIC ACID
2- 716

ORGANIC COMPOUNDS
-- CELLOSOLVE DIETHYL
2-1741
-- CHALCONE EPOXIDE
1- 59 1- 861
-- CHLOROFORM
2- 128
-- CHLOROPHYLL
2-1294
-- CHOLANTHRENE 3-METHYL
1- 581
-- CHOLESTEROL
1-1053 1-1764
-- CHOLINE
1-1052 2-1465
-- CHRYSENE
2-1828
-- CITRIC ACID
2-1337
-- CREATINE
1- 374 1-1052 2-1465
-- CREATININE
1- 749 1-1093
-- CYANAMIDE
1-1395
-- CYANOACETAMIDE
2-1764
-- CYANOGEN BROMIDE
2- 327
-- CYANOGEN CHLORIDE
2- 327
-- CYANOGEN IODIDE
2- 327
-- CYCLOHEPTANEDIONEDIOXIME
2-2090
-- CYCLOHEXANE
1- 989
-- CYCLOHEXANE PERFLUORODIMETHYL-
1-1408
-- CYCLOPROPANE HEXAFLUORO
1-1110 1-1111 1-1112
-- CYSTEINE
2-1125 2-2052
-- CYSTINE
1- 569 2-1125
-- CYTOSINE
2-1466 2-2086
-- DIBENZANTHRACENE
1-1216 1-1353 2- 397
-- DIETHYL FLUOROPHOSPHATE
1-1390
-- DIGITOXIN
2- 75
-- DIISOPROPYL FLUOROPHOSPHATE
1-1390 2- 438
-- DIMETHYL FLUOROPHOSPHATE
1-1390
-- DITHIZONE
1- 913
-- EFFECTS OF RADIATION ON
1- 26 1- 196 1- 546 1- 697 1- 842
1-1036 1-1858 2-1125 2-1138 2-1262
-- ETHANE TETRACHLORO-
2- 128 2- 129 2- 130
-- ETHANE PENTACHLORO-
2- 129 2- 130
-- ETHANE MONODEUTERO-
1-1211
-- ETHANE TRIFLUORO
1-1590 2- 131
-- ETHER DIETHYL
1- 291 2-1296 2-1741
-- ETHER DIHEXYL
2-1741
-- ETHER ISOPROPYL
1- 917 2-1895
-- ETHYL ALCOHOL
1- 291 1- 923 1-1906
-- ETHYL BROMIDE
1- 116 1- 923 1-1858
-- ETHYLENE CHLOROTRIFLUORO-
1-1592
-- ETHYL IODIDE
1- 623
-- FATTY ACIDS
1- 389 2- 406 2- 878
-- FERRON
1- 914
-- FLAVONES
2-1434
-- FLUORENE
1- 760 1-1646 2- 975
-- FLUORENE 2-ACETYLAMINO
2-2094
-- FLUOROSCEIN DIIODO-
1- 376 1- 870 1-1738 2- 876 2- 877
-- FLUOROCARBONS
1- 81 1- 438 1-1110 1-1111 1-1112
1-1265 1-1266 1-1267 1-1390 1-1406
1-1407 1-1409 1-1587 1-1589 1-1590
1-1591 1-1592 1-1781 1-1784 1-1817
1-1818 1-1819 1-1820 1-1821 2- 70
2- 126 2- 127 2- 128 2- 129 2- 130
2- 131 2- 132 2- 133 2- 134 2- 471
2- 473 2- 474 2- 475 2- 476 2- 477

ORGANIC COMPOUNDS
-- FLUOROCARBONS
2- 478 2- 479 2- 480 2- 747 2- 748
2- 749 2-1208 2-1738 2-1759 2-1918
2-1919 2-1995
-- FLUOROFORM
2-1918
-- FLUOROTHENE
1- 81 1-1587
-- FORMIC ACID
1- 291 1- 597 2-1341
-- GLUTAMIC ACID
1-1214 1-1238 1-1552 2-1020
-- GLYCEROL
1- 291 1-1509
-- GLYCINE
1- 363 1- 393 1- 394 1-1035 1-1214
1-1215 1-1397 1-1443 1-1552 1-1733
2- 332 2-1021 2-1022 2-1457 2-1732
2-1852 2-1856 2-2230
-- GLYCOLIC ACID BENZYLPHENYL-
1- 861
-- GLYOXAL PHENYL
1- 373 1-1792
-- GLYOXALIDONE PHENYLBENZYL
1-1646 2- 975
-- HALOCARBONS
1- 81 1- 939 1-1264 1-1407 1-1408
1-1587 1-1589 2- 125 2- 135 2- 472
2-2046
-- HEAT CAPACITIES
2- 250
-- HEMIN
2-1021
-- HEPTANE HEXADECAFLUORO-
1-1592
-- HEPTANE PERFLUORO-
1-1591
-- HEPTANONE 2
1- 258
-- HEXAMETHYLENETETRAMINE
2- 362
-- HEXANOL
1- 258
-- HISTAMINE
2- 281 2- 346 2-1508
-- HYDANTOIN
1-1397
-- HYDROCARBONS
1-1454 1-1553 2- 674 2-1363
-- HYDROQUINONE
1-1443
-- HYDROXYQUINOLINE
2- 68 2- 80 2- 81
-- ISATIN OXIME
1-1968
-- ISOAMYL ALCOHOL
1- 258
-- KYNURENIC ACID
1- 372 2-2048
-- KYNURENINE
1- 372 2-2048
-- LYSINE
1- 367 1- 759 2-1019 2-1020
-- MALIC ACID
1- 618
-- MALONIC ACID
1-1213 2- 920
-- MALONONITRILE
2-1764
-- MANDELIC ACID
1- 373 1-1788
-- MASS SPECTRA
1- 784
-- METHACRYLATE METHYL
1- 877 1-1141
-- METHADON
1- 923 2-1296
-- METHANE
1- 478 1-1881 2- 437
-- METHANE CHLOROTRIFLUORO
2- 135
-- METHANE DICHLOROFLUORO-
2- 135
-- METHANE DICHLORODIFLUORO-
1-1264 2- 135
-- METHANE TRICHLOROFLUORO
2- 135
-- METHANE MONODEUTERO-
1-1211 1-1881 2-1233
-- METHANE TETRADEUTERO
1-1211
-- METHANE TRIPHENYL-
1-1646 2- 975
-- METHANES CHLORO-
1-1264 2- 135 2- 331 2-1724
-- METHIONINE
1- 393 1- 569 1-1036 2- 900 2-1465
2-1726 2-2237
-- METHYL ALCOHOL
1- 291 1-1906 2- 366
-- METHYLENE BROMIDE
2-2170
-- METHYL FLUORIDE
2- 134 2-1918
-- MUREXIDE
1- 853

ORGANIC COMPOUNDS
-- NAPHTHACENE
2-1453
-- NAPHTHALENE
1- 992 1-1145 1-1700 2- 191 2- 204
2- 212 2- 947 2- 948 2- 960 2- 975
2-1422 2-1453 2-1828
-- NAPHTHALENE ALPHA-BROMO
2- 348
-- NAPHTHOHYDROQUINONES METHYL
2-2035
-- NAPHTHOQUINONE-2 BROMO-3-HYDROXY-
1- 576
-- NAPHTHOQUINONE 2-METHYL-
2-1262
-- NAPHTHYLAMINE
1-1783
-- NICOTINAMIDE
2- 910
-- NICOTINAMIDE N-METHYL-
1- 369 1- 372 1-1092
-- NICOTINE
2- 75
-- NICOTINIC ACID
2-1456 2-2048 2-2049
-- NUCLEIC ACIDS
1- 363 1- 382 1- 392 1- 853 2- 397
2- 708 2- 899 2-1151 2-1453 2-1853
2-1856 2-1892 2-1894 2-2086
-- OCTANONE-2
1- 258
-- OXALIC ACID
1- 697 1- 937 1-1759
-- OXAZINE DYES
2-1328
-- OXIDATION METHODS FOR
1- 433 2-1338
-- PAPAVERINE HYDROCHLORIDE
2- 346
-- PENTABARBITAL
1- 708 2- 909 2-1024
-- PENTACENE
2-1453
-- PENTANE
1- 291
-- PENTANONE 2 4-METHYL-
1- 258 2-1741
-- PHENANTHRENE
1- 760 1-1646 2- 191 2- 960 2- 975
2-1422
-- PHENAZINE
2-1453
-- PHENAZINE DYES
2-1328
-- PHENOL P-AMINO-
1-1443
-- PHENOL METHYL P-AMINO
1-1443
-- PHENOL DINITRO-
1- 377
-- PHENYLALANINE
1-1354 2- 667 2-2091
-- PHENYLANTHRANILIC ACID
1-1940
-- PHENYLHYDRAZINE
1- 602 1- 608
-- PHOSGENE
1- 64
-- PHOSPHORIC ACIDS ALKYL-
1-1100
-- PORPHYRINS
1- 363 1- 608 1- 892 2- 332
-- PROCAINE DIBROMO
1-1103
-- PROPANE
1-1554
-- PROPANE 3-CHLORO-1-TRIFLUORO
1-1589
-- PROPANE 1 MONODEUTERO-
1-1211
-- PROPANE 2 MONODEUTERO-
1-1211
-- PROPANE 1 TRIFLUORO-
1-1589
-- PROPANOL 2-3 DITHIO-
2- 47
-- PROPENE
1- 433
-- PROPYL ALCOHOL
1- 291
-- PROPYL ALCOHOL BETA-TRIFLUORO-
1-1589
-- PROPYLENE HEXACHLORO
2- 130
-- PURINES
2-1894 2-2086
-- PYRIDOXINE
2- 616 2- 985
-- PYRIMIDINES
2-1894 2-2086
-- PYRUVIC ACID
1-1238 1-1789 2-1462
-- QUINALIZARINE
1-1077
-- RUTIN
1- 323 1- 536 1- 905 1-1473 1-1922
2- 261 2-1126 2-1474

ORGANIC COMPOUNDS
-- SERINE
1-1214 1-1354
-- SPARTEINE
2- 358
-- STILBAMIDINE
1- 352
-- STILBENE
1-1646 2- 975
-- STYRENE
1- 877
-- SUCCINIC ACID
1- 618 1-1238
-- SULFANILAMIDE
1- 393 2-2234
-- SULFOPHTHALIC ANHYDRIDE
2- 421
-- THIAZINE DYES
2-1328
-- THIAZOLE 2-AMINO
1- 710 1- 711
-- THIOURACIL
1- 710 1- 711 1- 845 1-1350 2-2078
2-2217
-- THIOURACIL BENZYL-
1- 710 1- 711
-- THIOURACIL METHYL-
1- 711
-- THIOURACIL PROPYL-
1- 710 1- 711 1-1079
-- TOLUENE
1- 291 1-1789 1-1821
-- TOLUENE ALPHA TRIFLUORO
2- 133
-- TOLUENE ALPHA TRIFLUORO M-CHLORO-
1-1408
-- TOLUENE ALPHA TRIFLUORO O-CHLORO-
1- 939
-- TOLUENES FLUORO-
1-1409 1-1821
-- TRYPTOPHANE
1- 372 1-1397 2- 657 2- 900 2-1456
2-1762 2-2048 2-2049
-- TYROSINE
1- 252
-- TYROSINE MONOIODO-
1-1507
-- TYROSINE DIIODO-
1- 385 1-1507
-- UREA
1- 937 1-1395 2- 659 2-1023
-- URETHANE
1- 352 1-1038 2-1296 2-1325 2-1458
2-1862
-- URIC ACID
1- 382 2-1346
-- UROBILINOGEN
1- 892
-- UROROSEIN
1- 892
-- USNIC ACID
1- 869
-- XYLENE
1- 291 2- 421
-- XYLENE P-ALPHA-ALPHA TRIFLUORO
2-2110
ORGANS
SEE SPECIFIC ORGANS
OSCILLOGRAPHS AND OSCILLOSCOPES
-- CONSTRUCTION AND OPERATION
1- 293 1- 736 1- 948 1-1122 1-1148
1-1417 1-1609 1-1870 2- 199 2- 227
2- 223 2- 224 2- 503 2- 817 2- 974
2-1936
OSMIUM
-- ANALYSIS
2-1305
OSMIUM ISOTOPES
-- FORMATION OF
1- 670
OSMIUM OS 184
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 185
-- PROPERTIES NUCLEAR
1- 840
OSMIUM OS 187
-- PROPERTIES NUCLEAR
1- 160 1- 191 1-1192
OSMIUM OS-190
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 191
-- PROPERTIES NUCLEAR
1-1706
OSMIUM OS 192
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 193
-- PROPERTIES NUCLEAR
1- 840 1-1706
OVA
SEE EGGS AND LARVAE
OVARIES
SEE ALSO TESTES STERILITY AND UTERUS
-- EFFECTS OF RADIATION ON
1- 736 2-1056 2-1324 2-2211
OXALIC ACID
-- CRYSTAL STRUCTURE
1- 937
-- EFFECTS OF RADIATION ON
1- 697
-- SYNTHESIS OF LABELED
1-1789
OXAZINE DYES
-- HEPARIN INACTIVATION BY
2-1328
OXYGEN
-- ANALYSIS
1-1251 1-1393 2-1376
-- CROSS SECTION NEUTRON
1- 144 1- 740 1- 969 1-1631 2- 777
2-1353 2-2144
-- IONIZATION OF
1- 826 1- 832 1-1491
-- PROPERTIES CHEMICAL
1- 926 1-1219 2-1375
-- RADIATION ABSORPTION BY
2-1050 2-1165
-- RADIATION SCATTERING BY
1- 401
-- RADIATION STOPPING BY
2-1171
-- SPECTRA
1-1725
-- STRUCTURE ATOMIC
1- 832 1-1456
OXYGEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2- 150 2- 712 2- 756 2-1213
2-1375
-- SEPARATION METHODS
1- 478 2-1580
-- TRACER APPLICATIONS
1-1956
OXYGEN O-14
-- PROPERTIES NUCLEAR
2-1141
OXYGEN O-15
-- FORMATION OF
1- 498 2- 568
OXYGEN O-16
-- FORMATION OF
2- 13
-- PROPERTIES NUCLEAR
1-1700 2- 8 2- 568 2-1968 2-1972
OXYGEN O-17
-- PROPERTIES NUCLEAR
1-1860 2- 531 2-1213 2-1970
OXYGEN O-18
-- FORMATION OF
1- 63
OXYGEN COMPOUNDS
-- OXIDES METALLIC
1- 764 1-1814

PAIN
-- ALLEVIATION WITH RADIATIONS
2-1700
PALLADIUM
-- ANALYSIS
1- 430 1-1292 2-1305 2-2138
PALLADIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-2123
-- FORMATION OF
1- 670
PALLADIUM PD 104
-- CROSS SECTION NEUTRON
1- 136
PALLADIUM PD 106
-- PROPERTIES NUCLEAR
2- 1
PALLADIUM PD 107
-- PROPERTIES NUCLEAR
2-1681 2-1800
PALLADIUM PD 109
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1-1250
PALLADIUM PD 111
-- CROSS SECTION NEUTRON
1- 136 2-1800
PALLADIUM COMPOUNDS
-- PALLADIUM CYANIDE COMPLEXES
1-1250
-- PALLADIUM IODIDE
1- 918
PAPAVERINE HYDROCHLORIDE
-- BLOOD DISEASES THERAPY USING
2- 346
PAPER
-- RADIATION SCATTERING BY
2- 386
PAPER CHROMATOGRAPHY
SEE ANALYSIS CHROMATOGRAPHIC
PARAFFIN
-- RADIATION SCATTERING BY
2- 386
PARALLEL PLATE COUNTERS
-- CONSTRUCTION AND OPERATION
2- 185 2- 188 2- 961 2-1416 2-1631
2-1632 2-1633 2-1864 2-2010

PARAMECIUM
SEE PROTOZOA
PARTICLE ACCELERATORS
SEE ACCELERATORS PARTICLE
PARTICLE SYSTEMS
-- WAVE EQUATIONS FOR
1- 186 1- 318 1-1468 1-1470 1-1674
1-1692 2- 264 2- 275 2- 276 2- 601
2- 603 2- 608 2- 609 2- 815 2- 820
2- 832 2- 833 2- 834 2- 960 2-1117
2-1121 2-1431 2-1650 2-1651 2-1654
2-1832 2-2013 2-2015 2-2152
PARTICLES
SEE NUCLEAR PARTICLES
PASSIVE SIMULATORS
SEE SIMULATORS
PENICILLIN
SEE ANTIBIOTICS
PENTABARBITAL
-- METABOLISM OF
1- 708 2-1024
-- SYNTHESIS OF LABELED
2- 909
PENTACENE
-- ENERGY LEVELS IN CRYSTALS
2-1453
PENTACHLOROETHANE
SEE ETHANE PENTACHLORO-
PENTANE
-- NEUTRON RETARDATION BY
1- 291
PENTANOL
SEE AMYL ALCOHOL
PENTANONE 2 4-METHYL-
-- SOLUBILITY OF THORIUM NITRATE IN
1- 258
-- SOLUBILITY OF URANYL NITRATE IN
2-1741
PERFLUORODIMETHYLCYCLOHEXANE
SEE CYCLOHEXANE PERFLUORODIMETHYL-
PERIODIC SYSTEM
-- CHARACTERISTICS OF
1- 928 2-1232 2-1817 2-1818 2-1956
2-1962 2-1966 2-2159
-- HISTORICAL DEVELOPMENT
2- 724
PERTURBATION THEORY
1- 513 1- 515 1- 653 1- 667 1-1313
1-1570 1-1919 2- 263 2- 600 2- 775
2- 823 2- 939 2- 978 2- 979 2-1091
2-1117 2-1650 2-1651 2-1654 2-2012
2-2070 2-2189 2-2192
PETROLEUM
-- RADIATION LOGGING OF
1- 678 1- 679 1-1666 2- 815 2-1241
2-1994
-- RADIOACTIVITY IN
1- 677
PHARYNX
SEE ALSO NASOPHARYNX DISEASES
-- EFFECTS OF RADIATION ON
2-1443
PHASE SYSTEM
-- ALUMINUM AND ALUMINUM COMPOUNDS
1-1546
-- ALUMINUM AND BARIUM OXIDES
1- 546
-- ALUMINUM AND BERYLLIUM OXIDES
1-1546 2- 902
-- ALUMINUM AND COBALT OXIDES
1-1546
-- ALUMINUM MANGANESE AND SILICON OXIDES
1-1546
-- ALUMINUM-URANIUM
1-1965
-- BERYLLIUM ALLOYS
2-1562
-- BERYLLIUM-CERIUM
2-1378
-- BERYLLIUM-IRON
1-1140
-- BERYLLIUM-THORIUM
2-1378
-- BERYLLIUM-URANIUM
2-1378
-- BERYLLIUM-ZIRCONIUM
2-1378
-- BERYLLIUM AND SILICON OXIDES
1-1546
-- BISMUTH-GALLIUM-LEAD
2-1588
-- CERIUM-MAGNESIUM
1- 970
-- CHROMIUM-NICKEL-TANTALUM
2-2129
-- CHROMIUM-TANTALUM
2-2129
-- COBALT-IRON
2-2128
-- COLUMBIUM-TANTALUM
2-1050
-- COPPER-GOLD
2-1086 2-2128
-- COPPER-SILVER
2- 160
-- COPPER-ZIRCONIUM
1-1627
PHASE SYSTEM
-- GALLIUM-LEAD
2-1588
-- GOLD-ZIRCONIUM
1-1627
-- HELIUM HE-3
2-1629
-- LANTHANUM AND POTASSIUM FLUORIDES
1- 590
-- LANTHANUM AND SODIUM FLUORIDES
1- 590
-- LITHIUM SILICON AND ZIRCONIUM OXIDES
1-1545
-- LITHIUM-TIN
1-1284
-- MAGNESIUM SILICON AND ZIRCONIUM OXIDES
1-1545
-- MAGNESIUM-ZIRCONIUM
2- 164
-- MANGANESE-NICKEL
2-2128
-- MERCURY-URANIUM
1-1965
-- METALS
1-1425 1-1426
-- NICKEL AND ZIRCONIUM OXIDES
1-1546
-- NICKEL-TANTALUM
2-2129
-- NICKEL-THORIUM
2- 930
-- POTASSIUM AND THORIUM FLUORIDES
1- 590
-- POTASSIUM AND URANIUM FLUORIDES
1- 590
-- POTASSIUM-SODIUM
2- 161
-- SILICON AND SILICON COMPOUNDS
1-1546
-- SILICON AND ZIRCONIUM OXIDES
1-1546
-- SILVER-ZIRCONIUM
1-1627
-- SODIUM AND THORIUM FLUORIDES
1- 590
-- SODIUM AND URANIUM FLUORIDES
1- 590
-- SODIUM-TIN
1-1284
-- STRONTIUM AND URANIUM BROMIDES
1-1365
-- THORIUM OXIDES AND PHOSPHATES
1-1545
-- TIN AND ZIRCONIUM OXIDES
1-1545
-- TIN-URANIUM
1-1965
-- TITANIUM AND ZIRCONIUM OXIDES
1-1545
-- URANIUM-URANIUM BROMIDE
1-1364
-- URANYL NITRATE-ETHER
2-1865
-- URANYL NITRATE-WATER-ORGANIC SOLVENTS
2-1741
-- URANYL SULFATE-WATER
1-1225 1-1970
PHENANTHRENE
-- RADIATION DETECTION USES
1-1646 2- 191 2- 960 2- 975 2-1422
-- SYNTHESIS OF LABELED
1- 760
PHENAZINE
-- ENERGY LEVELS IN CRYSTALS
2-1453
PHENAZINE DYES
-- HEPARIN INACTIVATION BY
2-1328
PHENERGAN
SEE ANTIHISTAMINIC DRUGS
PHENOL P AMINO
-- EMULSION DEVELOPMENT USES
1-1443
PHENOL METHYL-P-AMINO-
-- EMULSION DEVELOPMENT USES
1-1443
PHENOL DINITRO-
-- EFFECT ON PROTEIN METABOLISM
1- 377
PHENYLALANINE
-- METABOLISM OF
1-1354 2- 667
-- SYNTHESIS OF LABELED
2-2091
PHENYLANTHRANILIC ACID
-- ANALYTICAL REAGENT FOR CE
1-1940
PHENYLBENZYL GLYOXALIDONE
SEE GLYOXALIDONE PHENYLBENZYL
PHENYLGLYOXAL
SEE GLYOXAL PHENYL-
PHENYLHYDRAZINE
-- EFFECTS ON BLOOD CELLS
1- 602 1- 608
PHOSGENE
-- SYNTHESIS OF LABELED
1- 64

PHOSPHATASE
-- METABOLISM PROCESSES INVOLVING
1- 863
PHOSPHOLIPIDS
-- EFFECTS OF URANIUM COMPOUNDS ON METABOLISM OF
2- 406
-- METABOLISM OF
2- 339 2-1151 2-1463
PHOSPHONATES FLUORO
-- DETERMINATION OF FLUORINE IN
1-1784
PHOSPHOPROTEINS
-- METABOLISM OF
2-1856
PHOSPHORIC ACIDS ALKYL
-- ISOLATION AND IDENTIFICATION
1-1100
PHOSPHORUS
-- ANALYSIS
1- 255
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- METABOLISM STUDIES WITH ISOTOPES
1- 47 1- 374 1- 382 1- 389 1- 391
1- 392 1- 395 1- 401 1- 573 1- 574
1- 575 1- 580 1- 581 1- 582 1- 709
1- 715 1- 717 1- 863 1- 865 1- 869
1- 874 1- 876 1-1051 1-1053 1-1058
1-1062 1-1217 1-1508 1-1510 1-1742
2- 333 2- 338 2- 339 2- 673 2- 882
2-1027 2-1151 2-1152 2-1299 2-1461
2-1463 2-1856 2-2053
-- PROPERTIES NUCLEAR
2- 846
PHOSPHORUS ISOTOPES
-- BIOLOGICAL EFFECTS
1- 605
-- FORMATION OF
1- 67
-- PROPERTIES NUCLEAR
1-1700
-- THERAPEUTIC USES
1- 850 1-1038 1-1199
-- TRACER APPLICATIONS
1- 709 1- 874 1-1051 2- 67 2- 672
PHOSPHORUS P 31
-- CROSS SECTION NEUTRON
1-1294
-- PROPERTIES NUCLEAR
1- 295 1-1294 2-1404 2-1813 2-1918
PHOSPHORUS P 32
-- ANALYSIS RADIOMETRIC
2-1635
-- BIOLOGICAL EFFECTS
1- 25 1- 38 1- 40 1- 229 1- 233
1- 235 1- 416 1- 747 1- 892 1- 893
1- 901 1-1696 1-1760 2- 37
-- DOSAGE DETERMINATIONS
2- 856
-- FORMATION OF
1- 62 1- 469
-- PROPERTIES NUCLEAR
1- 40 1- 456 1- 988 1- 996 1-1324
1-1660 2- 201 2- 597 2- 808
-- RADIOAUTOGRAPHIC USES
1- 337 1-1332 1-1491 2- 37
-- THERAPEUTIC USES
1- 350 1- 352 1- 353 1- 472 1- 557
1- 558 1- 560 1-1196 1-1197 1-1198
1-1332 1-1494 2- 306 2- 856 2- 857
-- TRACER APPLICATIONS
1- 40 1- 47 1- 255 1- 374 1- 382
1- 389 1- 391 1- 392 1- 395 1- 573
1- 574 1- 575 1- 579 1- 580 1- 581
1- 582 1- 715 1- 717 1- 863 1- 865
1- 868 1- 869 1- 876 1-1053 1-1058
1-1062 1-1217 1-1391 1-1508 1-1510
1-1742 2- 333 2- 338 2- 339 2- 666
2- 671 2- 673 2- 882 2-1027 2-1151
2-1152 2-1296 2-1299 2-1455 2-1461
2-1463 2-1725 2-1853 2-1855 2-1856
2-2051 2-2053 2-2054 2-2229 2-2235
-- USES IN SYNTHESES
2- 438
PHOSPHORUS COMPOUNDS
-- PHOSPHINE
2- 330
-- PHOSPHORIC ACIDS ALKYL
1-1100
-- PHOSPHORUS TRICHLORIDE
2- 438
-- PHOSPHORUS TRIFLUORIDE
2-1918
PHOSPHORYLASE
-- METABOLISM PROCESSES INVOLVING
1-1217
PHOTOFLUOROMETERS
SEE FLUOROPHOTOMETERS
PHOTOGRAPHIC FILM DETECTORS
-- COSMIC RADIATION DETECTION WITH
1- 363 1- 628 1-1151 1-1259 1-1300
1-1302 1-1401 1-1422 1-1601 1-1843
2- 109 2- 211 2- 555 2-1107 2-1191
2-1192 2-1195 2-1347 2-1352 2-1549
2-1551 2-1767 2-1770
PHOTOGRAPHIC FILM DETECTORS
-- USES AND TECHNIQUES
1- 148 1- 219 1- 285 1- 490 1- 505
1- 659 1- 662 1- 663 1- 664 1- 795
1- 798 1- 979 1- 994 1-1013 1-1114
1-1147 1-1152 1-1156 1-1202 1-1293
1-1301 1-1306 1-1420 1-1441 1-1443
1-1535 1-1643 1-1700 1-1752 1-1855
1-1872 1-1877 1-1880 2- 168 2- 205
2- 211 2- 214 2- 503 2- 555 2- 636
2- 808 2- 814 2- 956 2- 959 2- 963
2- 964 2- 966 2-1048 2-1099 2-1107
2-1109 2-1224 2-1293 2-1255 2-1256
2-1297 2-1300 2-1411 2-1424 2-1634
2-2006 2-2172 2-2174
PHOTOGRAPHIC MATERIALS
-- URANIUM IMPURITIES IN
2-1302
PHOTOGRAPHY EXPOSURE METERS
-- CONSTRUCTION AND OPERATION
1-1121
PHOTOMETERS
SEE SPECTROPHOTOMETERS
PHOTOMULTIPLIER TUBES
SEE ALSO DARK TRACE ELECTRONMULTIPLIER VACUUM AND X-RAY TUBES
-- RADIATION DETECTION USING
1- 502 1- 660 1- 992 1- 995 1-1148
1-1149 1-1297 1-1442 2- 163 2- 191
2- 209 2- 210 2- 973 2-1101 2-1416
PHOTONS
SEE ALSO RADIATION
-- DETECTION AND MEASUREMENT
1- 149 1- 150 1- 954 1-1297 1-1644
1-1915 2- 809 2-1108
-- DIFFUSION AND SCATTERING
1- 189 1-1080 1-1675 1-1943
-- IN COSMIC RADIATION
1- 78 1- 457 1-1552 2-1067 2-1189
2-1194 2-1205 2-1355 2-1553 2-1559
2-1567 2-1904 2-1908 2-1910 2-2098
PHOTOSYNTHESIS
-- CARBON METABOLISM IN
1-1354 2- 665 2-1293
-- EFFECTS OF URANIUM COMPOUNDS ON
1- 748
-- HYDROGEN TRANSFER IN
2-1294
-- ISOTOPES EFFECTS IN
2- 412 2-1182
-- OXYGEN EVOLUTION IN
2- 712
-- PREPARATION OF LABELED COMPOUNDS USING
1- 61
PIGEONS
-- METABOLISM AND TOXICOLOGY STUDIES
1- 382 1- 574 1- 575 2-1346
PILES
SEE REACTORS
PINEAL GLANDS
-- METABOLISM OF CARBOHYDRATES IN
1-1510
-- METABOLISM OF PHOSPHORUS IN
1- 874
PITCHBLENDE
SEE URANIUM ORES
PITUITARY DISEASES
-- RADIATION THERAPY
1-1708
PITUITARY GLANDS
-- EFFECTS OF RADIATION ON
1- 736 1-1532
-- METABOLISM OF PHOSPHORUS IN
1- 874
PLANTS
SEE ALSO ALGAE FUNGI MOLDS AND YEASTS
SEE ALSO ROOTS AND SEEDS
-- EFFECTS OF RADIATION ON
1- 40 1- 231 1- 233 1- 236 1- 605
1- 698 1- 901 1-1244 1-1245 1-1385
1-1762 1-1770 2- 35 2- 37 2- 44
2-1060 2-1299 2-1506 2-2076
-- GROWTH STIMULATION BY RADIOACTIVITY
1- 294 1- 695 1-1385
-- METABOLISM STUDIES
1- 398 1- 709 1-1356 2- 201 2- 333
2- 344 2- 347 2- 412 2- 664 2-1182
2-1725 2-1834 2-1855 2-2235
PLASTICS
SEE ALSO SUBHEADS FLUOROCARBONS AND HALOCARBONS UNDER FLUORINE COMPOUNDS
-- EFFECTS OF RADIATION ON
1- 332
-- INSULATION PROPERTIES
2-1374
-- PROPERTIES PHYSICAL
1-1587
PLATINUM
-- ANALYSIS
2-1305
-- PROPERTIES NUCLEAR
1-1477 2-2027
-- RADIATION SCATTERING BY
1- 1 1- 2

PLATINUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922
-- FORMATION OF
1- 670
-- PROPERTIES NUCLEAR
2-2027
PLATINUM PT-193
-- PROPERTIES NUCLEAR
1-1191
PLATINUM PT-199
-- CROSS SECTION NEUTRON
1- 136 2-1800
PLUTONIUM
-- ANALYSIS
1- 417 1-1204 2-1333
-- DISCOVERY AND NAMING
1-1513
-- FISSION OF
2- 351 2- 392 2- 774
-- METABOLISM AND TOXICOLOGY
1- 16 1- 4 1- 42 1- 417 1- 612
1-1534 2- 407 2-1181 2-1326 2-1757
2-2083
-- OXIDATION AND REDUCTION STATES
1- 209 1- 72 2-1034 2-1161 2-1474
2-1481 2-1736 2-1737 2-1738
-- PRODUCTION
1- 397 1- 601 1- 888 2-1312
-- PROPERTIES CHEMICAL
1- 207 1- 208 1- 397 1- 719 1-1959
2- 351 2- 678 2- 774 2-1034 2-1373
2-1472 2-1474 2-1481 2-1484 2-1486
2-1736 2-1737 2-1738
-- PROPERTIES METALLURGICAL
1-1959
-- PROPERTIES NUCLEAR
1-1068 1-1359
-- PROPERTIES PHYSICAL
1- 207
-- SEPARATION METHODS
2-1481
-- SPECTRA
1-1220 1-1221 1-1961 2- 677 2-1301
-- STRUCTURE ATOMIC
2-1033 2-1479
PLUTONIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1962
-- RADIOGRAPHIC USES
2-1002
-- TRACER APPLICATIONS
2-1326
PLUTONIUM PU 234
-- PROPERTIES NUCLEAR
1-1229 2-2059
PLUTONIUM PU 236
-- FORMATION OF
1-1229 2-1477 2-1489
-- PROPERTIES NUCLEAR
2-1489
PLUTONIUM PU 237
-- FORMATION OF
2-1477 2-1489
-- PROPERTIES NUCLEAR
2-1489
PLUTONIUM PU 238
-- FORMATION OF
1- 879 2-1477
-- PROPERTIES NUCLEAR
2-1473
PLUTONIUM PU 239
-- BIOLOGICAL EFFECTS
1- 416
-- FISSION OF
2-1739 2-1864 2-1988
-- FORMATION OF
1- 731 2-1478
-- PROPERTIES NUCLEAR
1- 1 1- 206 1-1065 2-1306
PLUTONIUM PU 240
-- FORMATION OF
2-1489
PLUTONIUM PU 241
-- FORMATION OF
2-1489
-- PROPERTIES NUCLEAR
1-1066
PLUTONIUM COMPOUNDS
-- ORGANIC DERIVATIVES
2-1474 2-2239
-- PLUTONATE CESIUM CHLORO
1- 584
-- PLUTONATE SODIUM FLUO-
1- 762
-- PLUTONIUM AMMONIUM SULFATE
2-1471
-- PLUTONIUM BROMIDES
2-1483
-- PLUTONIUM CARBIDE
1-1067
-- PLUTONIUM CHLORIDES
1- 720 1-1218 1-1219 2-1484
-- PLUTONIUM FLUORIDES
1-1219 2-1487
PLUTONIUM COMPOUNDS
-- PLUTONIUM HYDRIDE
1- 719
-- PLUTONIUM NITRATE
1- 720
-- PLUTONIUM NITRIDE
1-1067
-- PLUTONIUM OXIDES
1-1219 2-1472 2-1486
-- PLUTONIUM OXYCHLORIDE
2-1485
-- PLUTONIUM PERCHLORATES
2-1034
-- PLUTONIUM PHOSPHATES
1-1222 2-1482
-- PLUTONIUM POTASSIUM SULFATE
2-1471
-- PLUTONIUM RUBIDIUM SULFATE
2-1471
-- PLUTONIUM SILICIDE
1- 585
-- PLUTONYL ACETATE SODIUM
1- 720
POLLEN
-- EFFECTS OF RADIATION ON
1- 243
POLONIUM
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
1-1021
-- PROPERTIES NUCLEAR
1- 5 2- 292 2- 621 2- 841
POLONIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1273 2-1383
POLONIUM PO-208
-- FORMATION OF
2-1991
POLONIUM PO-210
-- CROSS SECTION DEUTERON
2- 384
POLONIUM PO-212
-- PROPERTIES NUCLEAR
1- 839 1-1926 1-1930 2- 550 2- 847
2-1440
POLONIUM PO-213
-- PROPERTIES NUCLEAR
1-1316
POLONIUM PO-214
-- PROPERTIES NUCLEAR
1- 293 1-1189 1-1925
POLONIUM PO-216
-- PROPERTIES NUCLEAR
1- 192
POLONIUM PO-218
-- PROPERTIES NUCLEAR
2- 843
POPPY
-- CONSTRUCTION AND OPERATION
2- 182
PORPHYRINS
-- METABOLISM OF
1- 363 1- 608 2- 332
POSITRONS
SEE ALSO BETA PARTICLES NUCLEAR
PARTICLES AND RADIATION
-- ANNIHILATION
1- 162 1- 220 1- 225 1- 802 1- 804
1- 805 1- 886 1-1520 2-1431
-- DETECTION AND MEASUREMENT
1- 146 1- 149 2- 220
-- DIFFUSION AND SCATTERING
1- 225 2- 2 2-1750
-- FROM BROMINE ISOTOPES
1-1705
-- FROM CARBON ISOTOPES
2-1141
-- FROM CERIUM ISOTOPES
1-1042
-- FROM CHLORINE ISOTOPES
2-1272
-- FROM COPPER ISOTOPES
1- 696 1-1325 2- 216 2- 252
-- FROM FLUORINE ISOTOPES
1- 836
-- FROM GERMANIUM ISOTOPES
2- 299
-- FROM KRYPTON ISOTOPES
1-1482
-- FROM LANTHANUM ISOTOPES
1- 703 1-1042
-- FROM NEODYMIUM ISOTOPES
2-1449
-- FROM NITROGEN ISOTOPES
1-1035 2-1265
-- FROM OXYGEN ISOTOPES
2-1141
-- FROM PHOSPHORUS ISOTOPES
1-1324 1-1660
-- FROM RUBIDIUM ISOTOPES
2-1077
-- FROM RUTHENIUM ISOTOPES
1- 544
-- FROM SELENIUM ISOTOPES
1-1482

POSITRONS
-- FROM TECHNETIUM ISOTOPES
2- 639
POTASSIUM
-- ANALYSIS
1- 56 2- 425
-- METABOLISM STUDIES WITH ISOTOPES
1-1212
-- PRODUCTION
1-1623 1-1629
-- PROPERTIES CHEMICAL
2- 74
-- PROPERTIES NUCLEAR
2- 518
-- PROPERTIES PHYSICAL
1-1312
POTASSIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 112 2- 149 2- 483 2- 990
-- SEPARATION METHODS
2- 153 2- 154
POTASSIUM K-39
-- PROPERTIES NUCLEAR
2-1404
POTASSIUM K-40
-- PROPERTIES NUCLEAR
1- 695 1- 841 1-1410 1-1481 1-1593
1-1822 2- 295 2- 635 2- 990 2-1790
2-2024 2-2029
-- SPECTRA
1-1903
POTASSIUM K-42
-- PROPERTIES NUCLEAR
1-1184
-- TRACER APPLICATIONS
1-1212 2- 668 2- 671 2-1018 2-2231
POTASSIUM K-43
-- FORMATION OF
2-1134
-- PROPERTIES NUCLEAR
2-1134
POTASSIUM ALLOYS
-- PROPERTIES PHYSICAL
2- 161
POTASSIUM COMPOUNDS
-- POTASSIUM BOROHYDRIDE
1- 756
-- POTASSIUM BROMIDE
1-1578 2- 121 2- 348 2-1454
-- POTASSIUM CHLORATE
1-1586
-- POTASSIUM CHLORIDE
1-1578 2-1367
-- POTASSIUM CHLOROGALLATE
2- 83
-- POTASSIUM COPPER SULFATE
2- 945
-- POTASSIUM DICHROMATE
1-1586
-- POTASSIUM FERROCYANIDE
1- 755
-- POTASSIUM FLUOBORATE
2- 436
-- POTASSIUM FLUOCERATE
1- 762 1- 763
-- POTASSIUM FLUOLANTHANATE
1- 762 1- 763
-- POTASSIUM FLUORIDE
1- 590 1-1793
-- POTASSIUM FLUOTHORATE
1- 762 1- 763
-- POTASSIUM FLUOURANATE
1- 762 1- 763
-- POTASSIUM HYDROGEN FLUORIDE
1-1256 1-1257
-- POTASSIUM IODIDE
1- 660 1-1912
-- POTASSIUM PERMANGANATE
1-1586
-- POTASSIUM PEROXIDE
1-1573
-- POTASSIUM PLUTONYL SULFATE
2-1471
-- POTASSIUM PYROSULFATE
1-1969
-- POTASSIUM SILVER CYANIDE
1-1586
-- POTASSIUM THIOCYANATE
1- 710 1- 711 1- 845
-- POTASSIUM URANYL SULFATE
2-1039 2-1745
POWDER METALLURGY
SEE METALLURGY POWDER
POWER PLANTS
-- DESIGN AND CHARACTERISTICS
2- 22 2-1409
-- THERMODYNAMICAL ANALYSIS OF
2- 22 2-1374
PRASEODYMIUM
-- ANALYSIS
1- 203 1-1939 2-1702 2-1704 2-1705
2-1709 2-2223
-- IONIZATION OF
2-1849
-- METABOLISM AND TOXICOLOGY
2-1161
PRASEODYMIUM
-- PROPERTIES NUCLEAR
2-1449
-- SEPARATION METHODS
1- 203 1-1713
-- SPECTRA
1-1938
PRASEODYMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 706
-- PROPERTIES NUCLEAR
2- 285
PRASEODYMIUM PR-140
-- FORMATION OF
2-1617
PRASEODYMIUM PR-141
-- PROPERTIES NUCLEAR
2- 284 2-1617
PRASEODYMIUM PR-142
-- PROPERTIES NUCLEAR
2-2042
PRASEODYMIUM PR-143
-- FORMATION OF
1-1203
-- PROPERTIES NUCLEAR
2- 284
PRASEODYMIUM COMPOUNDS
-- PRASEODYMIUM ACETYLACETONATE
1-1716 2- 864
-- PRASEODYMIUM BROMIDE
1- 588
-- PRASEODYMIUM CHLORIDE
1- 588
-- PRASEODYMIUM HYDROXIDE
1- 588
-- PRASEODYMIUM OXIDES
2- 652
-- PRASEODYMIUM PERCHLORATE
1-1938
-- PRASEODYMIUM PHOSPHATES
1- 705 1-1712
PRESSURE GAUGES
SEE GAUGES
PROCAINE DIBROMO
-- SYNTHESIS OF LABELED
1-1103
PROGESTERONE
-- SYNTHESIS OF LABELED
2-1546
PROMETHEUM
-- ANALYSIS
1- 852 2-1703 2-1709
-- DISCOVERY AND NAMING
1-1045 2- 651
-- METABOLISM AND TOXICOLOGY
2-1181
-- PROPERTIES CHEMICAL
2- 678
-- SEPARATION METHODS
1- 852
-- SPECTRA
1- 702 2- 548 2- 863 2-1282 2-1717
2-1718
PROMETHEUM ISOTOPES
-- FORMATION OF
2-1675 2-2220
PROMETHEUM PM-147
-- ISOTOPIC SEPARATION
1-1282
PROMETHEUM COMPOUNDS
-- PROMETHEUM CHLORIDE
1- 852
-- PROMETHEUM NITRATE
1- 852
PROPANE
-- ISOTOPES EFFECTS IN PYROLYSIS
1-1554
PROPANE 3 CHLORO 1-TRIFLUORO
-- USES IN SYNTHESES
1-1589
PROPANE 1 MONODEUTERO
-- SPECTRA MASS
1-1211
PROPANE 2 MONODEUTERO
-- SPECTRA MASS
1-1211
PROPANE 1 TRIFLUORO
-- SYNTHESIS OF
1-1589
PROPANOL
SEE PROPYL ALCOHOL
PROPANOL 2-3 DITHIO
-- URANIUM POISONING THERAPY USING
2- 47
PROPENE-1
-- SYNTHESIS OF LABELED
1- 433
PROPORTIONAL COUNTERS
-- CONSTRUCTION AND OPERATION
1- 771 1- 922 1-1118 1-1132 1-1650
1-1680 2- 182 2- 187 2- 213 2- 812
2- 967 2- 968 2-1416 2-2176
-- COSMIC RADIATION DETECTION WITH
2-1204 2-1555 2-1556 2-1557 2-1801
2-1826

PROPYL ALCOHOL
-- NEUTRON RETARDATION BY
1- 291
PROPYL ALCOHOL BETA TRIFLUORO-
-- SYNTHESIS OF
1-1589
PROPYLENE HEXACHLORO
-- SYNTHESIS
2- 130
PROPYLTHIOURACIL
SEE THIOURACIL PROPYL-
PROSPECTING
SEE ORES AND MINERALS
SEE SUBHEADS ANALYSIS RADIOMETRIC AND DETECTION OF UNDER SPECIFIC ORES SUCH AS URANIUM ORES AND THORIUM ORES
SEE SUBHEAD RADIATION LOGGING OF UNDER PETROLEUM
PROTAMINE SULFATE
-- RADIATION SICKNESS THERAPY USING
1- 324 1-1314 2-2193
PROTEINS
SEE ALSO CARBOHYDRATES ENZYMES HORMONES LIPIDS AND SPECIFIC AMINO ACIDS SUCH AS GLYCINE LISTED ALPHABETICALLY
SEE ALSO ADENOSINETRIPHOSPHATE AND SPECIFIC PURINE AND PYRIMIDINES LISTED ALPHABETICALLY
-- ALBUMIN
1- 383 1- 741
-- CASEIN
1- 383
-- CASEIN IODO-
2-1545
-- EFFECTS OF RADIATION ON
1- 26 1- 245 1- 741
-- GLOBULIN
1- 383 2- 722
-- HEMOGLOBIN
1- 15 1- 40 1- 363 1- 388 1- 390
1- 608 1- 903 1-1195 2- 332
-- METABOLISM PROCESSES INVOLVING
1- 15 1- 40 1- 363 1- 383 1- 388
1- 390 1- 608 1-1195 2- 332 2-1856
2-1858 2-2230 2-2236
-- NUCLEOPROTEINS
1- 26 1- 245 2-1856
-- PHOSPHOPROTEINS
2-1856
-- PROTAMINES
1- 324 1-1314 2-2193
-- VITELLIN
1- 395
PROTOACTINIUM
-- ANALYSIS
2-1335
-- METABOLISM AND TOXICOLOGY
2-1181
-- OXIDATION AND REDUCTION STATES
1- 758
-- PROPERTIES CHEMICAL
2-1342
-- SPECTRA
1-1221 2-1301
-- STRUCTURE ATOMIC
2-1479
PROTOACTINIUM PA 226
-- PROPERTIES NUCLEAR
2-1144
PROTOACTINIUM PA 227
-- PROPERTIES NUCLEAR
1- 835
PROTOACTINIUM PA 228
-- PROPERTIES NUCLEAR
1- 835
PROTOACTINIUM PA 229
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1614 2-2194
PROTOACTINIUM PA-230
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
1-1189 2-1614 2-2059
PROTOACTINIUM PA 231
-- PROPERTIES NUCLEAR
2- 987 2-1614
PROTOACTINIUM PA 232
-- FORMATION OF
2-1488 2-1614
-- PROPERTIES NUCLEAR
2-1488 2-1614
PROTOACTINIUM PA 233
-- FORMATION OF
2-1488
-- PROPERTIES NUCLEAR
1-1698 2-1038
-- TRACER APPLICATIONS
2-1335
PROTOACTINIUM PA 234
-- PROPERTIES NUCLEAR
2-1875
PROTON MICROSCOPES
SEE ALSO ELECTRON MICROSCOPES AND ION MICROSCOPES
-- DESIGN AND CONSTRUCTION
2-1941
PROTONS
SEE ALSO NUCLEAR PARTICLES AND RADIATION
-- ABSORPTION
1-1234 2- 382 2- 383 2-1165 2-1500
2-1899
-- ACCELERATION OF
2-1096 2-1405 2-1407
-- BIOLOGICAL EFFECTS
1-1241
-- DETECTION AND MEASUREMENT
1- 149 1- 505 1- 664 1- 994 1-1152
1-1156 1-1441 2- 382 2- 546 2- 549
2- 964 2-1103 2-1107 2-1424
-- DIFFUSION AND SCATTERING
1- 4 1- 7 1- 8 1- 139 1- 142
1- 223 1- 402 1- 497 1- 507 1- 508
1- 597 1- 933 1-1081 1-1166 1-1434
1-1486 1-1634 1-1635 1-1639 1-1753
1-1856 1-1943 2- 4 2- 8 2- 173
2- 378 2- 388 2- 524 2- 534 2- 633
2- 776 2- 781 2- 893 2- 895 2- 938
2- 940 2-1045 2-1046 2-1047 2-1049
2-1169 2-1226 2-1389 2-1391 2-1499
2-1603 2-1805 2-1806 2-1829 2-1863
2-1864 2-1899 2-1987 2-2068 2-2071
2-2140
-- FROM ALUMINUM ISOTOPES
2-1620
-- FROM CARBON ISOTOPES
2-1799 2-2071
-- FROM DEUTERON DISINTEGRATION
1-1012
-- FROM MAGNESIUM ISOTOPES
2-1499
-- FROM MESON DISINTEGRATION
2- 114
-- IN COSMIC RADIATION
2- 98 2- 101 2- 112 2- 113 2- 440
2- 445 2- 451 2- 742 2- 743 2-1196
2-1201 2-1349 2-1355 2-1362 2-1366
2-1777 2-1899 2-1905 2-1914
-- IONIZATION PRODUCED BY
2-2069
-- NUCLEAR REACTIONS
1- 223 1- 295 1- 520 1- 815 1- 838
1- 884 1- 931 1- 987 1-1011 1-1015
1-1154 1-1307 1-1477 1-1506 1-1635
1-1702 1-1705 2- 13 2- 14 2- 293
2- 470 2- 524 2- 571 2- 572 2- 573
2- 574 2- 639 2- 640 2- 783 2- 992
2-1014 2-1094 2-1141 2-1264 2-1265
2-1438 2-1449 2-1497 2-1615 2-1616
2-1803 2-1972 2-2151 2-2152 2-2153
2-2209 2-2220 2-2222
-- POLARIZATION OF
2-1093
-- PROPERTIES
1- 654 1- 803 1- 809 2-1090 2-1383
2-1616 2-1979
-- SOURCES AND STANDARDS
2- 578
-- SPIN AND MOMENT
1- 801 1-1866 1-1868 2- 537 2- 775
2-1069 2-1398 2-1428 2-1610 2-2185
-- WAVE EQUATIONS FOR
1-1464 1-1465 2- 606 2- 623 2-1884
PROTOZOA
SEE ALSO BACTERIA
-- EFFECTS OF RADIATION ON
1- 40 1- 232 1- 235 1-1529 1-1760
PULSE AMPLIFIERS
-- CONSTRUCTION AND OPERATION
2- 183 2- 213 2- 967 2-1414 2-1416
PULSE ANALYZERS
-- CONSTRUCTION AND OPERATION
1-1120 2-1244 2-1413 2-1823 2-1929
2-2118
PULSE GENERATORS
-- CONSTRUCTION AND OPERATION
1- 673 1- 776 2- 203 2- 579 2-1417
2-1925 2-1942 2-1947
PUMPS
-- CENTRIFUGAL
2-1433
-- DIFFUSION
1- 592 1- 594 1-1177 1-1750 1-1971
2- 277 2- 611 2- 612
-- FOR VACUUM SYSTEMS
1- 592 1- 594 1-1177 1-1178 1-1746
1-1747 2- 685 2-1044 2-1164 2-2247
-- FOR X-RAY EQUIPMENT
1-1750
PURINES
SEE ALSO SPECIFIC PURINES SUCH AS ADENINE
SEE ALSO PYRIMIDINES
-- ANALYSIS
2-1894
-- ANION EXCHANGE SEPARATION OF
2-2086

PYRIDOXINE
-- RADIATION SICKNESS THERAPY USING
2- 616 2- 985
PYRIMIDINES
SEE ALSO SPECIFIC PYRIMIDINES
SEE ALSO PURINES
-- ANALYSIS
2-1894
-- ANION EXCHANGE SEPARATION OF
2-2086
PYRUVIC ACID
-- METABOLISM OF
1-1238 2-1462
-- SYNTHESIS OF LABELED
1-1789

QUANTUM MECHANICS
SEE ALSO CLASSICAL MECHANICS
COLLISION THEORY ELECTROMAGNETIC
FIELD THEORY MESON FIELD THEORY
PERTURBATION THEORY RELATIVITY
THEORY AND STATISTICAL MECHANICS
SEE ALSO SUBHEADING WAVE EQUATIONS
FOR UNDER NUCLEAR PARTICLES
PARTICLE SYSTEMS AND SPECIFIC
PARTICLES
SEE ALSO SUBHEADING QUANTUM MECHANICS
APPLICATION TO UNDER THERMODYNAMICS
1- 178 1- 185 1- 186 1- 187 1- 188
1- 189 1- 298 1- 318 1- 319 1- 320
1- 321 1- 513 1- 515 1- 520 1- 524
1- 527 1- 534 1- 535 1- 595 1- 653
1- 668 1- 683 1- 684 1- 685 1- 686
1- 687 1- 804 1- 808 1- 810 1- 832
1- 833 1-1026 1-1306 1-1313 1-1346
1-1438 1-1459 1-1461 1-1462 1-1463
1-1464 1-1465 1-1467 1-1468 1-1469
1-1470 1-1471 1-1472 1-1570 1-1571
1-1579 1-1580 1-1639 1-1674 1-1675
1-1676 1-1677 1-1678 1-1679 1-1680
1-1681 1-1682 1-1683 1-1684 1-1685
1-1687 1-1688 1-1689 1-1692 1-1694
1-1808 1-1919 1-1920 1-1921 2- 5
2- 258 2- 259 2- 260 2- 261 2- 262
2- 263 2- 264 2- 265 2- 266 2- 267
2- 268 2- 269 2- 271 2- 272 2- 273
2- 274 2- 275 2- 276 2- 388 2- 567
2- 598 2- 599 2- 600 2- 601 2- 602
2- 603 2- 604 2- 607 2- 608 2- 609
2- 610 2- 726 2- 788 2- 818 2- 819
2- 820 2- 822 2- 823 2- 824 2- 825
2- 826 2- 829 2- 830 2- 831 2- 832
2- 833 2- 834 2- 977 2- 978 2- 979
2- 980 2- 981 2- 982 2-1073 2-1090
2-1091 2-1114 2-1115 2-1116 2-1117
2-1118 2-1119 2-1120 2-1121 2-1122
2-1123 2-1168 2-1230 2-1258 2-1259
2-1260 2-1261 2-1270 2-1275 2-1276
2-1427 2-1428 2-1429 2-1430 2-1431
2-1432 2-1498 2-1501 2-1552 2-1560
2-1603 2-1650 2-1651 2-1652 2-1653
2-1654 2-1805 2-1829 2-1830 2-1831
2-1832 2-1833 2-1834 2-1985 2-2012
2-2013 2-2014 2-2015 2-2016 2-2017
2-2018 2-2070 2-2181 2-2182 2-2183
2-2184 2-2185 2-2186 2-2187 2-2188
2-2189 2-2190 2-2191 2-2192
QUINALIZARINE
-- ANALYTICAL REAGENT FOR U
1-1077

RABBITS
-- EFFECTS OF RADIATION ON
1- 32 1- 40 1- 602 1- 895 1- 897
1-1530 2- 25 2- 386 2- 398 2- 703
2- 705 2- 706 2-1176 2-1253 2-1509
-- METABOLISM AND TOXICOLOGY STUDIES
1- 41 1- 46 1- 372 1- 391 1- 420
1- 606 1- 608 1- 611 1- 612 1- 749
1- 871 1-1093 1-1095 1-1096 1-1733
1-1736 1-1765 2- 281 2- 409 2- 410
2-1021 2-1026 2-1153 2-1158 2-1179
2-1278 2-1295 2-1298 2-1330 2-1455
2-1460 2-1462 2-1857 2-2048 2-2052
RADIATION
SEE ALSO NUCLEAR PARTICLES MICROWAVES
AND SPECIFIC PARTICULATE AND WAVE
RADIATIONS
-- ABSORPTION
1- 991 1-1374 1-1517 1-1521 1-1522
2- 381 2- 385
-- BIBLIOGRAPHY
1-1761
-- BIOLOGICAL EFFECTS
1- 13 1- 19 1- 20 1- 23 1- 24
1- 35 1- 37 1- 38 1- 84 1- 229
1- 236 1- 239 1- 240 1- 241 1- 265
1- 356 1- 404 1- 406 1- 410 1- 411
1- 412 1- 413 1- 414 1- 603 1- 604
1- 613 1- 537 1- 738 1- 744 1- 745
1- 746 1- 898 1- 900 1-1088 1-1091
1-1116 1-1180 1-1246 1-1247 1-1269
1-1284 1-1435 1-1572 1-1597 1-1598
1-1697 1-1761 1-1763 1-1933 2- 18
2- 19 2- 29 2- 31 2- 35 2- 38

RADIATION
-- BIOLOGICAL EFFECTS
2- 42 2- 43 2- 136 2- 397 2- 399
2- 403 2- 699 2- 709 2- 836 2- 838
2-1060 2-1127 2-2080
-- CHEMICAL EFFECTS
1- 197 1- 334 1- 547 1- 548 1-1194
-- DETECTION AND MEASUREMENTS
1- 278 1-1119 1-1147 1-1535 1-1874
2- 548 2- 552 2- 584 2- 956 2- 972
2-1097
-- DIFFUSION AND SCATTERING
1- 221 1- 222 1- 320 1- 595 1-1080
1-1374 1-1459 1-1460 1-1517 1-1524
1-1577 1-1581 1-1644 1-1657 1-1676
1-1689 1-1874 2- 387 2- 605 2-1050
2-1498 2-2190
-- DOSAGE DETERMINATIONS
1- 239 1- 452 1- 637 1-1597 2-1845
-- IONIZATION PRODUCED BY
1- 894
-- NUCLEAR REACTIONS
1- 190
-- PROPAGATION OF
2-1116 2-1432
-- PROPERTIES
2-1097
-- RADIOGRAPHIC USES
1- 338
-- SPIN AND MOMENT
1- 162
-- THEORY OF
1- 189 1- 524 1- 525 1- 534 1-1026
1-1461 1-1464 1-1465 1-1469 1-1675
1-1676 1-1678 1-1683 1-1684 1-1687
1-1688 1-1693 1-1920 2- 5 2- 17
2- 259 2- 269 2- 599 2- 603 2- 605
2- 606 2- 788 2- 823 2- 825 2- 827
2- 831 2- 979 2-1115 2-1116 2-1121
2-1275 2-1276 2-1432 2-1501 2-1552
2-1653 2-1830 2-2012 2-2188 2-2190
2-2191 2-2192
-- THERAPEUTIC USES
1- 347 1- 349 1- 356 1-1496 1-1535
2- 311 2-1445 2-1845
-- WAVE EQUATIONS FOR
2- 264 2-1259
RADIATION CHEMISTRY
SEE SUBHEAD CHEMICAL EFFECTS UNDER
RADIATION AND SPECIFIC WAVE AND
PARTICULATE RADIATIONS
SEE SUBHEAD EFFECTS OF RADIATION ON
UNDER SPECIFIC ELEMENTS ORGANIC
COMPOUNDS WATER ETC
RADIATION DETECTION INSTRUMENTS
SEE ALSO COINCIDENCE CIRCUITS
OSCILLOGRAPHS AND OSCILLOSCOPES
PULSE ANALYZERS PULSE GENERATORS
RECORDING SYSTEMS AND SCALARS
RADIATION DETECTION INSTRUMENTS ARE
ALSO LISTED ALPHABETICALLY UNDER
SPECIFIC INSTRUMENTS SUCH AS CLOUD
CHAMBERS ELECTROSCOPES GEIGER-
MULLER COUNTERS IONIZATION CHAMBERS
PARALLEL PLATE COUNTERS
PHOTOGRAPHIC FILM DETECTORS
PROPORTIONAL COUNTERS AND
SCINTILLATION AND CRYSTAL COUNTERS
-- BACKGROUND NOISE
2- 184 2- 185
-- ION CURRENT TYPE
1- 121 1- 294 1- 452 1- 503 1- 504
1- 974 1-1051 1-1118 1-1124 1-1147
1-1275 1-1276 1-1295 1-1378 1-1418
1-1647 1-1548 1-1563 1-1873 1-1878
1-1880 1-1931 2- 183 2- 225 2- 541
2- 544 2- 546 2-1098 2-1110 2-1411
2-1423 2-1519 2-1636 2-1637 2-1643
2-1644 2-1795
-- MISCELLANEOUS TYPES
1-1272 2- 556 2-1384 2-1418
-- PHOTOGRAPHIC EMULSION TYPES
1- 148 1- 219 1- 285 1- 303 1- 490
1- 505 1- 628 1- 659 1- 662 1- 663
1- 664 1- 795 1- 798 1- 979 1- 994
1-1013 1-1014 1-1114 1-1147 1-1151
1-1152 1-1156 1-1202 1-1259 1-1293
1-1300 1-1301 1-1302 1-1308 1-1401
1-1420 1-1422 1-1441 1-1443 1-1535
1-1643 1-1700 1-1752 1-1801 1-1843
1-1855 1-1877 1-1880 2- 109 2- 168
2- 205 2- 211 2- 214 2- 553 2- 555
2- 636 2- 808 2- 814 2- 956 2- 959
2- 963 2- 964 2- 966 2-1048 2-1099
2-1107 2-1109 2-1191 2-1192 2-1195
2-1224 2-1253 2-1255 2-1256 2-1257
2-1300 2-1347 2-1352 2-1411 2-1424
2-1549 2-1551 2-1634 2-1767 2-1770
2-2006 2-2171 2-2172 2-2174
-- PULSE TYPE
1- 93 1- 94 1- 95 1- 108 1- 151
1- 272 1- 293 1- 294 1- 439 1- 452
1- 459 1- 460 1- 461 1- 463 1- 494
1- 503 1- 504 1- 545 1- 639 1- 640
1- 641 1- 769 1- 771 1- 772 1- 773
1- 795 1- 796 1- 937 1- 941 1- 942
1- 946 1- 950 1- 952 1- 953 1- 954

RADIATION DETECTION INSTRUMENTS
-- PULSE TYPE
1-1119 1-1123 1-1124 1-1128 1-1132
1-1133 1-1147 1-1273 1-1274 1-1376
1-1654 1-1655 1-1656 1-1858 1-1869
1-1871 1-1873 1-1879 1-1880 1-1915
2- 165 2- 179 2- 182 2- 183 2- 187
2- 188 2- 190 2- 195 2- 196 2- 197
2- 198 2- 200 2- 201 2- 202 2- 203
2- 206 2- 207 2- 208 2- 213 2- 215
2- 218 2- 226 2- 543 2- 544 2- 546
2- 549 2- 551 2- 552 2- 557 2- 558
2- 559 2- 560 2- 561 2- 562 2- 801
2- 810 2- 812 2- 813 2- 815 2- 816
2- 956 2- 957 2- 961 2- 967 2- 968
2- 971 2- 976 2-1102 2-1103 2-1105
2-1106 2-1109 2-1113 2-1204 2-1252
2-1340 2-1354 2-1368 2-1382 2-1411
2-1416 2-1419 2-1421 2-1425 2-1555
2-1556 2-1557 2-1631 2-1672 2-1633
2-1639 2-1645 2-1795 2-1801 2-1825
2-1826 2-1851 2-1864 2-1902 2-1905
2-2005 2-2008 2-2010 2-2011 2-2101
2-2167 2-2168 2-2170 2-2173 2-2175
2-2176 2-2179
-- SCINTILLATION AND CRYSTAL TYPES
1- 89 1- 91 1- 107 1- 109 1- 274
1- 660 1- 775 1- 992 1- 993 1- 995
1-1147 1-1148 1-1149 1-1297 1-1442
1-1515 1-1646 1-1653 1-1700 1-1915
2- 183 2- 191 2- 204 2- 209 2- 212
2- 226 2- 542 2- 545 2- 547 2- 548
2- 803 2- 809 2- 811 2- 815 2- 958
2- 960 2- 962 2- 970 2- 973 2- 975
2-1101 2-1108 2-1109 2-1111 2-1112
2-1247 2-1248 2-1250 2-1418 2-1420
2-1422 2-1638 2-1828 2-2004 2-2007
2-2009
RADIATION HAZARDS AND PROTECTION
SEE ALSO DUST HAZARDS HEALTH PHYSICS RADIATION SICKNESS SHIELDING AND WASTE DISPOSAL RADIOACTIVE
SEE ALSO SUBHEADS BIOLOGICAL EFFECTS AND DOSAGE DETERMINATION UNDER RADIATION AND SPECIFIC PARTICULATE AND WAVE RADIATIONS AND RADIOISOTOPES
1- 35 1- 82 1- 83 1- 84 1- 85
1- 120 1- 121 1- 228 1- 265 1- 355
1- 361 1- 365 1- 452 1- 454 1- 456
1- 497 1- 466 1- 554 1- 555 1- 637
1- 766 1- 767 1- 941 1- 942 1- 943
1-1091 1-1115 1-1116 1-1268 1-1269
1-1356 1-1383 1-1412 1-1418 1-1493
1-1495 1-1531 1-1541 1-1598 1-1599
1-1824 1-1825 2- 6 2- 30 2- 31
2- 38 2- 39 2- 137 2- 138 2- 314
2- 379 2- 486 2- 488 2- 489 2- 490
2- 491 2- 492 2- 645 2- 655 2- 689
2- 838 2- 839 2- 840 2- 873 2- 956
2- 986 2-1075 2-1076 2-1127 2-1145
2-1284 2-1285 2-1286 2-1287 2-1288
2-1289 2-1290 2-1291 2-1526 2-1754
2-1792 2-1794 2-2057 2-2112 2-2115
2-2116
RADIATION SICKNESS
SEE ALSO SUBHEAD BIOLOGICAL EFFECTS UNDER SPECIFIC RADIOACTIVE ISOTOPE AND SPECIFIC PARTICULATE AND WAVE RADIATION
-- SYMPTOMS
1- 23 1- 35 1- 241 1-1179 1-1180
1-1496 1-1532 1-1696 1-1697 1-1923
2- 24 2- 36 2- 279 2- 402 2- 615
2- 697 2- 836 2- 837 2- 838 2- 840
2- 983 2- 985 2-1127 2-1263 2-1434
2-1655
-- THERAPY
1- 322 1- 323 1- 324 1- 536 1-1314
1-1473 1-1695 1-1922 2- 26 2- 280
2- 281 2- 613 2- 614 2- 615 2- 616
2- 835 2- 837 2- 983 2- 984 2- 985
2-1126 2-1128 2-1434 2-1655 2-1656
2-2019 2-2193
RADIATION WELL LOGGING
SEE PETROLEUM- RADIATION LOGGING OF
RADIOACTINIUM
SEE THORIUM TH-227
RADIOACTIVE CONTAMINATION
SEE SUBHEAD CONTAMINATION RADIOACTIVE UNDER AIR WATER ETC
RADIOACTIVE WASTE DISPOSAL
SEE WASTE DISPOSAL RADIOACTIVE
RADIOACTIVITY
SEE ALSO DECAY SERIES PHYSICS NUCLEAR AND RADIATION DETECTION INSTRUMENTS
SEE ALSO SUBHEAD PROPERTIES NUCLEAR UNDER SPECIF C ELEMENTS AND ISOTOPES
-- FUNDAMENTAL CONCEPTS
1- 178 1- 190 1- 193 1- 541 1- 545
1- 694 1-1032 1-1051 1-1286 1-1439
1-1758 2- 289 2- 300 2- 544 2- 623
2- 625 2- 626 2- 628 2- 798 2- 841
2- 849 2- 850 2- 937 2- 972 2- 988
2-1001 2-1097 2-1142 2-1145 2-1154
RADIOACTIVITY
-- FUNDAMENTAL CONCEPTS
2-1246 2-1256 2-1266 2-1270 2-1273
2-1274 2-1411 2-1438 2-1439 2-1641
2-2000 2-2026 2-2030 2-2071 2-2057
2-2197 2-2198 2-2206
-- MEASUREMENT OF
1- 98 1- 102 1- 293 1- 690 1- 796
1-1147 1-1298 1-1299 1-1356 1-1810
1-1704 2- 189 2- 193 2- 198 2- 201
2- 202 2- 206 2- 214 2- 220 2- 807
2- 810 2- 844 2- 847 2- 937 2-1646
2-1647 2-2045 2-2177
RADIOAUTOGRAPHY
SEE SUBHEADS RADIOGRAPHIC USES AND RADIOAUTOGRAPHIC USES UNDER ISOTOPES RADIATION SPECIFIC RADIOACTIVE ISOTOPES SUCH AS PHOSPHORUS P-32 AND SPECIFIC PARTICULATE AND WAVE RADIATIONS
RADIOCARDIOGRAPHY
-- INSTRUMENTS FOR
2-1572
RADIOCHEMICAL LABORATORIES
SEE LABORATORIES RADIOCHEMICAL
RADIOGRAPHY
SEE SUBHEADS RADIOGRAPHIC USES AND RADIOAUTOGRAPHIC USES UNDER ISOTOPES RADIATION SPECIFIC RADIOACTIVE ISOTOPES SUCH AS PHOSPHORUS P-32 AND SPECIFIC PARTICULATE AND WAVE RADIATIONS
RADIOTHERAPY
SEE SUBHEAD THERAPEUTIC USES UNDER ISOTOPES RADIATION SPECIFIC RADIOACTIVE ELEMENTS AND ISOTOPES AND SPECIFIC WAVE AND PARTICULATE RADIATIONS
RADIUM
-- ANALYSIS
1- 40 1- 752 1-1535 2- 69 2-1595
-- BIBLIOGRAPHY
1- 610
-- BIOLOGICAL EFFECTS
1- 415 1- 416 1- 422 1-1770 2- 30
2- 399 2-1128 2-1322
-- DOSAGE DETERMINATIONS
1- 610 2-1006
-- IN OCEAN SEDIMENTS
2-1920
-- METABOLISM AND TOXICOLOGY
1- 16 1- 610 1-1765 2- 408
-- PRODUCTION
1- 125 1- 972 2- 361
-- PROPERTIES NUCLEAR
2- 841
-- RADIOGRAPHIC USES
1-1933 2- 305
-- SEPARATION METHODS
2- 69
-- SPECTRA
1-1221
-- THERAPEUTIC USES
2- 399 2- 859 2- 862 2-1004 2-1005
2-1006 2-1009 2-1146 2-1279 2-1846
2-1848 2-2036 2-2039 2-2211
-- TRACER APPLICATIONS
1-1831
RADIUM A
SEE POLONIUM PO-218
RADIUM B
SEE LEAD PB-214
RADIUM C
SEE BISMUTH BI-214
RADIUM D
SEE LEAD PB-210
RADIUM E
SEE BISMUTH BI-210
RADIUM RA 222
-- PROPERTIES NUCLEAR
1-1190
RADIUM RA 223
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
RADIUM RA 224
-- THERAPEUTIC USES
1- 341 1- 561 1-1492 2-1277
RADIUM RA 225
-- PROPERTIES NUCLEAR
1-1316
RADIUM RA 228
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
-- PROPERTIES NUCLEAR
2- 623 2-2203
RADIUM COMPOUNDS
-- RADIUM BROMIDE
1- 980
-- RADIUM CHLORIDE
1- 621 1-1765
-- RADIUM SULFATE
1- 621

RADIUM ORES
-- OCCURRENCE
2- 482
RADON
-- ABUNDANCE AND DISTRIBUTION
1- 200 1- 582
-- BIOLOGICAL EFFECTS
2- 396
-- PROPERTIES CHEMICAL
2-1064
-- PROPERTIES PHYSICAL
1- 562
-- PURIFICATION OF
2-1576
-- RADIOGRAPHIC USES
1-1933
-- THERAPEUTIC USES
1- 340 1-1200 1-1708 1-1710 2-1012
2-1696
RADON RN-216
-- FROM THORIUM DECAY
1- 192
RADON RN-218
-- PROPERTIES NUCLEAR
2- 843 2- 957
RARE EARTH COMPOUNDS
SEE ALSO SUCH HEADINGS AS CERIUM COMPOUNDS EUROPIUM COMPOUNDS AND SIMILAR HEADINGS FOR OTHER RARE EARTH ELEMENTS
-- HALIDES
2- 864
-- ORGANIC DERIVATIVES
1-1939 2- 652 2- 654 2-1850
-- OXIDES
2- 864
-- PHOSPHORIC ACID DERIVATIVES
1-1939 2- 652
RARE EARTHS
SEE ALSO SPECIFIC RARE EARTH ELEMENTS
-- ANALYSIS
1- 619 1- 853 2- 312 2- 313 2- 652
2- 905 2-1702 2-1703 2-1704 2-1705
2-1706 2-1708 2-1709 2-1714 2-1715
2-1720 2-1850 2-2041
-- ATOMIC WEIGHTS
1-1939
-- PROPERTIES CHEMICAL
1-1939
-- PROPERTIES NUCLEAR
2-1093 2-2220 2-2222
-- PROPERTIES PHYSICAL
1- 563
-- SEPARATION METHODS
1-1939 2-1014
-- SPECTRA
2-1301
RATE METERS
-- CONSTRUCTION AND OPERATION
2- 182 2- 225 2-1102 2-1249 2-1636
2-1637 2-1644 2-1649
RATS
-- EFFECTS OF RADIATION ON
1- 14 1- 29 1- 30 1- 40 1- 40
1- 246 1- 736 1- 739 1- 893 1- 895
1- 897 1- 905 1-1036 1-1238 1-1764
2- 25 2- 40 2- 336 2- 401 2- 404
2- 708 2-1176 2-1177 2-1319 2-1325
2-1508 2-1509 2-1892
-- METABOLISM AND TOXICOLOGY STUDIES
1- 14 1- 30 1- 45 1- 46 1- 47
1- 246 1- 369 1- 372 1- 374 1- 377
1- 382 1- 383 1- 389 1- 420 1- 423
1- 606 1- 612 1- 710 1- 711 1- 712
1- 750 1- 863 1- 874 1- 906 1-1052
1-1054 1-1055 1-1058 1-1062 1-1092
1-1095 1-1096 1-1386 1-1387 1-1388
1-1389 1-1507 1-1510 1-1534 1-1542
1-1740 1-1765 1-1766 2- 46 2- 280
2- 404 2- 406 2- 407 2- 409 2- 613
2- 667 2- 878 2- 882 2- 898 2- 983
2-1022 2-1026 2-1153 2-1178 2-1181
2-1326 2-1330 2-1331 2-1459 2-1463
2-1464 2-1465 2-1466 2-1512 2-1727
2-1729 2-1732 2-1860 2-2049 2-2050
2-2052 2-2080 2-2081 2-2083 2-2236
2-2237
REACTORS
-- AIRCRAFT PROPULSION BY
1- 729 1- 888 1-1084 1-1085 1-1377
2- 22 2- 897 2-1173
-- ANALYTICAL USES
1- 976 2-2138
-- BILLET MANUFACTURE
2-1315
-- BREEDING FUEL IN
2- 21
-- CANADA
2- 317 2-2045
-- CONTROL AND KINETICS
1- 132 1- 133 1- 287 1- 651 1- 889
1- 976 1-1166 1-1640 1-1861 2- 700
2-1313 2-1384
-- DESIGN AND CONSTRUCTION
1- 228 1- 601 1- 730 1- 731 1-1378
1-1380 1-1383 1-1440 1-1525 1-1527
REACTORS
-- DESIGN AND CONSTRUCTION
1-1756 1-1757 1-1759 2- 20 2- 393
2- 897 2-1053 2-1174 2-1314 2-1315
2-1316 2-1317 2-1318 2-1602 2-1886
-- FRANCE
1- 359 2-1313 2-1314 2-1315 2-1316
2-1317 2-1318
-- GLOSSARY TERMS
2- 954 2-1412
-- GREAT BRITAIN
1- 111 1-1945
-- ISOTOPES PRODUCTION IN
1- 469
-- NAVAL VESSEL PROPULSION BY
1- 888 1-1377 2- 701 2-1173
-- ROCKET PROPULSION BY
1-1527 2- 394 2-1054
-- SHIELDING FOR
1-1519 2- 393 2-1053
-- UNITED STATES
2- 393 2-1053
RECORDING SYSTEMS
-- FOR RADIATION DETECTION INSTRUMENTS
1- 778 1- 779 2-1109 2-1649
-- FOR SPECTROMETERS
2- 219 2- 659
REFRACTORIES
-- ALUMINUM OXIDE
1-1548 1-1773 2- 54 2- 413 2- 416
2- 417 2- 418 2- 902
-- ALUMINUM SILICATE
2- 413 2- 416 2- 418
-- BARIUM SULFIDE
1-1098 1-1099
-- BERYLLIUM CARBIDE
1-1775 2- 50 2- 51 2-1165
-- BERYLLIUM OXIDE
1- 647 1- 909 1- 911 1-1526 1-1543
1-1545 1-1546 1-1548 2- 54 2- 417
2- 902 2- 903
-- BONDING OF
2- 52
-- CERIUM SULFIDES
1-1097 1-1098 1-1099
-- CORROSION
2- 87
-- FOR AIRCRAFT POWER SYSTEMS
1-1526 1-1547
-- FOR NUCLEAR REACTORS
1- 426 1- 427
-- FOR ROCKET POWER SYSTEMS
1-1773
-- GRAPHITE
2- 54 2- 484
-- MAGNESIUM ALUMINATE
2- 54
-- MAGNESIUM OXIDE
2- 54 2- 417
-- PRODUCTION OF
1-1776 2- 415 2- 715
-- SILICON CARBIDE
1-1526 2- 54 2- 413
-- SILICON DIOXIDE
2- 414
-- SINTERING OF
2-1079
-- TANTALUM CARBIDE
2-1183
-- TENSILE TESTING OF
2-1514
-- THORIUM OXIDES
1- 647 1- 910 1- 912 1-1548 2- 54
2- 417
-- THORIUM SULFIDES
1-1097 1-1098 1-1099
-- TUNGSTEN CARBIDES
2-1184
-- URANIUM SULFIDES
1-1098
-- ZIRCONIUM OXIDES
1- 647 1- 849 1- 910 1-1544 1-1545
1-1546 1-1773 2- 53 2- 54 2- 417
2- 418
-- ZIRCONIUM SILICATE
2- 54 2- 418 2-1185
RELATIVITY THEORY
1- 185 1- 320 1- 321 1- 684 1-1674
1-1679 1-1680 1-1685 1-1688 2- 17
2- 265 2- 273 2- 274 2- 276 2- 603
2- 606 2- 822 2- 825 2- 827 2- 829
2- 832 2- 979 2-1121 2-1260 2-1276
2-1429 2-1430 2-1432 2-1832 2-2013
2-2192
REMOTE CONTROL EQUIPMENT
SEE LABORATORIES RADIOCHEMICAL
RESEARCH PROGRAMS
SEE ALSO ATOMIC ENERGY COMMISSION
-- AUSTRALIA
1- 183
-- AUSTRIA
1-1499
-- CANADA
2- 317 2-2045
-- CZECHOSLOVAKIA
1-1499

RESEARCH PROGRAMS
-- DENMARK
1-1339 1-1340
-- FRANCE
1- 359 1-1941 2-1314
-- GERMANY
1-1697 1-1898 2- 333
-- GREAT BRITAIN
1- 111 1- 599 1-1136 1-1718 1-1945
2- 142 2- 245 2- 319 2- 577
-- INDIA
1- 856 2- 318
-- ITALY
1- 564 1-1499
-- JAPAN
1-1943
-- NEW ZEALAND
2- 867
-- NORWAY
2- 656
-- POLAND
1- 566 1-1499
-- RUSSIA
2- 320
-- SWITZERLAND
1- 674 1-1207
-- UNITED STATES
2- 318 2- 866 2-1149 2-1590 2-1592
RESINS
-- FOR ION EXCHANGE
2- 419 2- 421 2- 424 2- 717 2- 720
2-1317
RHENIUM
-- ANALYSIS
1- 430 1-1550
-- PRODUCTION
1-1623
-- SPECTRA
1- 859
RHENIUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 285 2- 638
RHENIUM RE-182
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-183
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-184
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-187
-- PROPERTIES NUCLEAR
1- 160 1- 187 1-1484
RHENIUM RE-188
-- PROPERTIES NUCLEAR
1-1706
RHODIUM
-- ANALYSIS
2-1305
-- CROSS SECTION NEUTRON
2-1604
RHODIUM ISOTOPES
-- FORMATION OF
1- 760
RHODIUM RH-1 2
-- PROPERTIES NUCLEAR
2-1685
RHODIUM RH-1 3
-- PROPERTIES NUCLEAR
1-1941 2- 302 2-1679
RHODIUM RH-1 4
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
2- 302
RHODIUM RH-1 6
-- PROPERTIES NUCLEAR
2- 1 2- 7 2-1679
RIBONUCLEIC ACID
SEE NUCLEIC ACIDS
ROCKETS
-- NUCLEAR POWER FOR
1-1527 2- 394 2-1054
ROOTS
-- ABSORPTION OF CALCIUM BY
2-1854
-- ABSORPTION OF PHOSPHORUS BY
2-1855
-- EFFECTS OF RADIATION ON
1-1244 1-1245
RUBBER AND ELASTOMERS
-- EFFECTS OF RADIATION ON
1- 195 1- 332
-- SPECTRA
1-1723
-- SYNTHESIS OF
2- 747
RUBIDIUM
-- ANALYSIS
1- 36 1-1726
-- PRODUCTION
1-1621 1-1623 1-1892
-- SEPARATION METHODS
2-1678
RUBIDIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1077
-- PROPERTIES NUCLEAR
1- 114 1- 117
RUBIDIUM RB-81
-- PROPERTIES NUCLEAR
1-1892
RUBIDIUM RB-82
-- PROPERTIES NUCLEAR
1-1892
RUBIDIUM RB-85
-- PROPERTIES NUCLEAR
2-1231
RUBIDIUM RB-86
-- FORMATION OF
2-1678
-- PROPERTIES NUCLEAR
1-1318 1-1927
RUBIDIUM RB-87
-- PROPERTIES NUCLEAR
1- 330 2- 301 2- 632 2-1231
RUBIDIUM RB-88
-- CROSS SECTION NEUTRON
2-1965
RUBIDIUM COMPOUNDS
-- RUBIDIUM FLUORIDE
1-1793
-- RUBIDIUM MAGNESIUM FLUORIDE
1-1793
-- RUBIDIUM PEROXIDE
1-1573
-- RUBIDIUM PLUTONIUM SULFATE
2-1471
RUTHENIUM
-- ANALYSIS
1- 430 1-1349 2-1305
-- IONIZATION OF
1-1963
-- METABOLISM AND TOXICOLOGY
2-1181
-- PROPERTIES NUCLEAR
1- 834 2-1685 2-2020
RUTHENIUM ISOTOPES
-- FORMATION OF
1- 870
-- PROPERTIES NUCLEAR
2- 233 2-1077
-- TRACER APPLICATIONS
1- 979 1- 862 1-1349
RUTHENIUM RU 95
-- PROPERTIES NUCLEAR
1- 344 2-1687
RUTHENIUM RU 97
-- PROPERTIES NUCLEAR
1- 344 2-1686
RUTHENIUM RU 103
-- PROPERTIES NUCLEAR
1-1941 2-1679
RUTHENIUM RU 106
-- PROPERTIES NUCLEAR
2-1679 2-1680
-- SEPARATION METHODS
1-1282
RUTHENIUM COMPOUNDS
-- RUTHENIUM PENTAFLUORIDE
2- 72
RUTHENIUM ORES
-- ANALYSIS
1-1349
RUTIN
-- HISTAMINE SHOCK THERAPY USING
1-1932 2- 281
-- RADIATION SICKNESS THERAPY USING
1- 323 1- 536 1- 905 1-1473 2-1126
2-1434
SALIVA
-- CONCENTRATION OF IODINE IN
1- 714
SAMARIUM
-- ANALYSIS
1- 358 1-1201 1-1338 2-1703 2-1706
2-1850 2-2041
-- IONIZATION OF
2-1849
-- PROPERTIES NUCLEAR
1- 982 1-1202
-- RADIATION ABSORPTION BY
1- 982
-- SPECTRA
1-1334 1-1711 1-1938 2- 649
SAMARIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922 2-1015
-- FORMATION OF
1-1041
-- PROPERTIES NUCLEAR
1- 854
-- SEPARATION METHODS
1-1714
SAMARIUM SM-151
-- PROPERTIES NUCLEAR
1- 852
SAMARIUM SM-152
-- PROPERTIES NUCLEAR
1-1497

SAMARIUM SM-153
-- PROPERTIES NUCLEAR
1- 539
SAMARIUM SM-155
-- PROPERTIES NUCLEAR
2- 647
SAMARIUM COMPOUNDS
-- SAMARIUM ACETYLACETONATE
1-1716
-- SAMARIUM CARBONATE
1-1201
-- SAMARIUM CHLORIDE
1-1201 1-1711
-- SAMARIUM CITRATE
1-1201
-- SAMARIUM FLUORIDE
1-1201
-- SAMARIUM HYDROXIDE
1-1201 1-1338
-- SAMARIUM NITRATE
1-1202
-- SAMARIUM OXALATE
1-1338
-- SAMARIUM OXIDE
1-1338
-- SAMARIUM PERCHLORATE
1-1938
-- SAMARIUM SULFATE
1-1201
SARGEANT DIAGRAMS
2- 623
SCALERS
-- CONSTRUCTION AND OPERATION
1- 948 1-1867 1-1869 2- 179 2- 180
2- 206 2- 213 2- 217 2-1109 2-1249
2-1631 2-1632
SCANDIUM
-- ANALYSIS
1- 853
-- CROSS SECTION NEUTRON
2- 631
SCANDIUM SC-46
-- PROPERTIES NUCLEAR
1- 837 1-1927 2- 1 2- 631
SCATTERING OF RADIATION
SEE SUBHEAD DIFFUSION AND SCATTERING UNDER SPECIFIC PARTICULATE AND WAVE RADIATION
SEE ALSO SUBHEAD SCATTERING OF RADIATION BY UNDER SPECIFIC ELEMENTS
SCENEDESMUS
SEE ALGAE
SCIENTIFIC RESEARCH
SEE RESEARCH PROGRAMS
SCINTILLATION AND CRYSTAL COUNTERS
-- CONSTRUCTION AND OPERATION
1- 89 1- 91 1- 107 1-109 1-0274
1- 660 1- 775 1- 992 1- 993 1- 995
1-1147 1-1148 1-1149 1-1297 1-1442
1-1515 1-1646 1-1653 1-1700 1-1915
2- 183 2- 191 2- 204 2- 209 2- 212
2- 226 2- 542 2- 545 2- 547 2- 548
2- 803 2- 809 2- 811 2- 815 2- 958
2- 960 2- 962 2- 965 2- 970 2- 973
2- 960 2- 962 2- 965 2- 970 2- 973
2- 975 2-1101 2-1108 2-1109 2-1111
2-1112 2-1247 2-1248 2-1250 2-1416
2-1420 2-1422 2-1638 2-1828 2-2004
2-2007 2-2009
SEA URCHINS
-- METABOLISM AND TOXICOLOGY STUDIES
1- 869 2-1856
SEALS AND GASKETS
-- FOR LIQUID NITROGEN
1-1827
SEEDS
SEE ALSO PLANTS AND ROOTS
-- EFFECTS OF RADIATION ON
1- 233 1- 243 1- 406 1- 408 1- 604
1- 901 1-1089 1-1244 1-1245 1-1246
2-1510
-- INTRODUCTION OF RADIOISOTOPES IN
1-1391
SELENIUM
-- ANALYSIS
2- 60
-- METABOLISM AND TOXICOLOGY
1- 383
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
2-1520
-- PROPERTIES NUCLEAR
2- 298
-- PROPERTIES PHYSICAL
2-1623
-- STRUCTURE ATOMIC
1-1456
SELENIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1482
-- CROSS SECTION ALPHA
1-1482
-- FORMATION OF
1- 470
SELENIUM ISOTOPES
-- PROPERTIES NUCLEAR
2- 328 2-1522
-- TRACER APPLICATIONS
1- 383
SELENIUM SE-73
-- PROPERTIES NUCLEAR
1- 326
SELENIUM SE-74
-- CROSS SECTION NEUTRON
1-1431
-- PROPERTIES NUCLEAR
1-1482 1-1705
SELENIUM SE-75
-- PROPERTIES NUCLEAR
1- 326 1-1431 2- 181 2-2033
-- TRACER APPLICATIONS
2-1469
SELENIUM SE-76
-- PROPERTIES NUCLEAR
1-1482 1-1705
SELENIUM COMPOUNDS
-- CARBON OXYSELENIDE
2-1723
-- SELENIDE DEUTERIUM
1- 80
-- SELENIDE HYDROGEN
1- 80
SEPARATION PROCESSES
SEE ALSO MAIN HEAD ANALYSIS
SEE ALSO SUBHEADS ANALYSIS AND SEPARATION METHODS UNDER SPECIFIC ELEMENTS
-- ADSORPTION
1- 53 1- 55 1- 56 1- 115 1- 117
1- 619 1- 852 1- 878 1-1100 1-1279
1-1713 1-1909 1-1910 1-1911 1-1913
1-1939 2- 55 2- 57 2- 64 2- 67
2- 69 2- 71 2- 360 2- 419 2- 420
2- 421 2- 422 2- 424 2- 429 2- 652
2- 717 2- 718 2- 719 2- 720 2- 864
2- 904 2- 906 2-1014 2-1187 2-1447
2-1517 2-1523 2-1896 2-2055 2-2062
2-2086
-- CARRIER PRECIPITATION
1- 469 1- 621 1- 670 1- 812 2- 426
2-1332 2-1470 2-1481 2-1528 2-1529
2-1530 2-1531 2-1532 2-1535 2-1537
2-1538 2-1539 2-1543 2-1702 2-1703
2-1706 2-1707 2-1709 2-1710 2-1711
2-1713 2-1714 2-1715 2-1716 2-1893
-- DISTILLATION
1- 469 2-1468 2-2089
-- ELECTROLYTIC
1-1117 1-1135 1-1173 1-1250 1-1551
1-1939 2- 63 2-1345
-- FRACTIONAL CRYSTALLIZATION
1-1100
-- SOLVENT EXTRACTION
1- 258 1-1781 2- 80 2- 81 2-1448
2-1470 2-1865 2-1895 2-1995
SERINE
-- METABOLISM OF
1-1214 1-1354
SHEEP
-- EFFECTS OF RADIATION ON
1- 40
SHIELDING
SEE ALSO HEALTH PHYSICS AND RADIATION HAZARDS AND PROTECTION
SEE ALSO SUBHEAD ABSORPTION UNDER RADIATION AND SPECIFIC PARTICULATE AND WAVE RADIATIONS SUBHEAD RADIATION ABSORPTION BY UNDER SPECIFIC ELEMENTS AND MATERIALS AND SUBHEAD REMOTE CONTROL UNDER LABORATORY EQUIPMENT
-- FOR AIRCRAFT
2- 897
-- FOR LABORATORIES
2- 491 2-1284 2-1288 2-1290
-- FOR LABORATORY EQUIPMENT
2-1451 2-1526
-- FOR NUCLEAR REACTORS
1-1519 2- 393 2-1053
-- FOR PARTICLE ACCELERATORS
1- 617 1-1017 1-1660 2- 244
-- FOR X-RADIATION
2- 379 2- 490 2- 689
-- MATERIALS FOR
1- 218 1- 454 1- 729 1- 766 1-1418
1-1440 1-1535 1-1790 2- 6 2- 379
2- 490 2- 689 2-1075
-- THEORY
1-1517 1-1518 1-1519 1-1521 1-1522
1-1865 2- 6 2- 372 2- 381
SILICON
-- ANALYSIS
1- 429
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- PROPERTIES NUCLEAR
2- 846
-- PROPERTIES PHYSICAL
1-1669

SILICON
-- PROPERTIES REFRACTORY
1-1546
-- STRUCTURE ATOMIC
1-1456
SILICON ISOTOPES
-- PROPERTIES NUCLEAR
1-1700 1-1894
SILICON SI-28
-- FORMATION OF
2-1094
-- PROPERTIES NUCLEAR
1- 814 1-1154 2-1404
SILICON SI-29
-- PROPERTIES NUCLEAR
1- 295
SILICON SI-30
-- PROPERTIES NUCLEAR
1- 295 1- 814
SILICON SI-31
-- PROPERTIES NUCLEAR
1-1294
SILICON COMPOUNDS
-- SILANES
2- 76 2- 591
-- SILICON CARBIDE
1-1526 1-1546 1-1547 2- 54 2-1516
-- SILICON DIOXIDE
1- 431 1- 636 1-1546 1-1575 1-1751
1-1906 2-1911
-- SILICON HYDRIDES
2- 76
SILVER
-- ANALYSIS
1- 430 1-1968
-- CROSS SECTION NEUTRON
2- 527
-- EFFECTS OF RADIATION ON
1- 957
-- PROPERTIES NUCLEAR
1- 303 1-1801 2- 687
-- PROPERTIES PHYSICAL
2-2125
-- RADIATION ABSORPTION BY
1- 728 2- 373 2-1165
-- RADIATION STOPPING BY
2-1885
-- SEPARATION PROCESSES
1-1250 1-1279
-- SPECTRA
2-2146
-- STRUCTURE CRYSTAL
2- 119
SILVER ISOTOPES
-- PROPERTIES NUCLEAR
2- 285
-- SEPARATION METHODS
2- 154
SILVER AG 106
-- FORMATION OF
1- 498
SILVER AG 107
-- CROSS SECTION NEUTRON
1-1640 2- 936
-- PROPERTIES NUCLEAR
2-2146
SILVER AG 108
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143
-- THERAPEUTIC USES
1- 351 1- 700
SILVER AG 109
-- CROSS SECTION NEUTRON
1-1640 2- 936
-- PROPERTIES NUCLEAR
2-2146
SILVER AG 110
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 143 2-2208
-- THERAPEUTIC USES
1- 351
SILVER AG 111
-- THERAPEUTIC USES
1- 700
SILVER ALLOYS
-- PROPERTIES PHYSICAL
1-1627 2- 160
SILVER COMPOUNDS
-- SILVER BROMIDE
1-1152 1-1252 2-1031 2-2058
-- SILVER CHLORATE
1-1586 1-1660
-- SILVER CHLORIDE
1-1252 2-1031
-- SILVER NITRATE
1- 700
SILVER DIAPHRAGMS
SEE DIAPHRAGMS
SIMULATORS
1-1270 1-1271
SKIN
-- EFFECTS OF BERYLLIUM COMPOUNDS ON
1- 614 1-1411 1-1536 1-1537
SKIN
-- EFFECTS OF RADIATION ON
1- 21 1- 28 1- 33 1- 36 1- 241
1- 410 1- 637 1- 735 1- 738 1- 893
1-1116 1-1248 1-1532 2- 36 2- 38
2- 279 2- 660 2- 986 2-2077 2-2216
-- IODINE ABSORPTION BY
2-1290
-- ION TRANSPORT THROUGH
2-2227
-- METABOLISM OF PHOSPHORUS IN
1- 581
SKIN DISEASES
-- RADIATION THERAPY
2- 310
-- RADIOISOTOPES THERAPY
1- 341 1- 558 1-1196 1-1119 1-1492
2-1277
SMOKE PARTICLES
-- DETECTION AND MEASUREMENT
2-1575 2-1577
SODIUM
-- ANALYSIS
1- 56 1- 755
-- CROSS SECTION NEUTRON
1-1631 2-1393 2-2144
-- METABOLISM STUDIES WITH ISOTOPES
1- 384 1- 571 1- 718 1-1060 2-1025
2-2227
-- PRODUCTION
1-1623 1-1629
-- PROPERTIES CHEMICAL
2- 74
-- PROPERTIES NUCLEAR
1- 329 2- 846
-- PROPERTIES PHYSICAL
2- 590
-- RADIATION ABSORPTION BY
2- 90
-- SEPARATION METHODS
2-1468
-- STRUCTURE ATOMIC
1- 800
SODIUM ISOTOPES
-- BIOLOGICAL EFFECTS
2- 860
-- FORMATION OF
1- 470
-- THERAPEUTIC USES
2- 860
-- TRACER APPLICATIONS
2- 346 2- 672 2-1030 2-2327
SODIUM NA 22
-- PROPERTIES NUCLEAR
1- 812 1-1889 2- 395 2-1396
-- SPECTRA
1-1903 1-1905 2-1396
-- TRACER APPLICATIONS
1-1060 2-1025 2-1468
SODIUM NA 23
-- CROSS SECTION DEUTERON
1-1896
-- PROPERTIES NUCLEAR
1- 295 1-1700 2- 14
SODIUM NA 24
-- BIOLOGICAL EFFECTS
1- 14 1- 38
-- PROPERTIES NUCLEAR
1- 812 1-1523 2- 1 2- 167 2-1883
2-2202
-- THERAPEUTIC USES
1- 348 1- 350 1- 360
-- TRACER APPLICATIONS
1- 364 1- 718 1-1060 1-1509 2- 671
2-1297 2-1300 2-1857 2-2231
SODIUM ALLOYS
-- HEATS OF FORMATION
1-1284
-- PROPERTIES PHYSICAL
2- 161
SODIUM COMPOUNDS
-- SODIUM ACETATE
1- 755
-- SODIUM ALUMINUM HYDRIDE
2- 77
-- SODIUM BERYLLIUM FLUORIDE
1-1541
-- SODIUM BOROHYDRIDE
1- 756
-- SODIUM BROMATE
1-1566
-- SODIUM BROMIDE
1- 754
-- SODIUM CARBONATE
1-1054 2-1464
-- SODIUM CHLORIDE
1-1578 2-1917
-- SODIUM CITRATE
2- 407 2-1757
-- SODIUM FLUOCERATE
1- 762
-- SODIUM FLUOLANTHANATE
1- 762
-- SODIUM FLUOPLUTONATE
1- 762
-- SODIUM FLUORESCEIN
1-1738

SODIUM COMPOUNDS
-- SODIUM FLUORESCEIN DIIODO
1- 870
-- SODIUM FLUORIDE
1- 590 1-1227 2- 121 2- 487
-- SODIUM FLUOTHORATE
1- 762 1- 763
-- SODIUM FLUOURANATE
1- 585 1- 762 1- 763
-- SODIUM IODIDE
1- 660 1-1913 2- 962 2-1638
-- SODIUM NEPTUNYL ACETATE
1-1064 2- 888 2- 889 2-1740
-- SODIUM OXALATE
1-1586
-- SODIUM PENTABARBITAL
1- 708 2- 909 2-1024 2-1296
-- SODIUM PEROXIDE
2-1338
-- SODIUM PHOSPHATES
2- 67
-- SODIUM PLUTONYL ACETATE
1- 720
-- SODIUM URANYL ACETATE
2-1039
SOIL
-- ANALYSIS
2- 428
-- CONTAMINATION RADIOACTIVE
1- 40
-- PHOSPHORUS FIXATION
1- 868 2- 67 2- 333 2-1729
-- RADIOACTIVITY OF
1- 128 1-1596
SONIC INTERFEROMETERS
-- CONSTRUCTION AND OPERATION
1-1600
SPACE SIMULATORS
SEE SIMULATORS
SPARTEINE
-- ANALYTICAL REAGENT FOR URANIUM
2- 358
SPECTRA
-- SEE ALSO SPECTRA MASS AND
SPECTROMETERS
SEE ALSO SUBHEAD SPECTRA UNDER
SPECIFIC ELEMENTS SUCH AS URANIUM
SEE ALSO SUBHEAD SPECTROGRAPHIC
UNDER ANALYSIS
-- ACRIDINE
2-1453
-- ALKALI HALIDES
2-1454
-- ALUMINUM OXINATE
2-1544
-- AMMONIA
2- 331
-- ANTHRACENE
2-1453
-- ARSENIC DEUTERIDE
2- 330 2-1370
-- ARSENIC HYDRIDE
2- 330 2-1370
-- BENZENE HEXABROMO-
2-1453
-- BROMINE CYANIDE
1-1453
-- CARBON OXYSELENIDE
2- 328 2-1723
-- CARBON OXYSULFIDE
1- 159 1-1155 2-1213 2-2047
-- CARBONYL FLUORIDE
2-1208
-- CESIUM FLUORIDE
1-1504
-- CHLORINE CYANIDE
1-1453
-- CHLOROSILANE
2- 591
-- DEUTERIUM SELENIDE
1- 80
-- DEUTERIUM SULFIDE
1- 80
-- DEUTERIUM TELLURIDE
1- 80
-- DIANTHRACENE
2-1453
-- ETHANE TRIFLUORO
2- 131
-- EUROPIUM COMPOUNDS
1- 201 1-1711
-- FLUOROCARBONS
2- 474
-- GADOLINIUM COMPOUNDS
1- 201
-- GALLIUM OXINATE
2-1544
-- HYDROGEN DEUTERIUM OXIDE
2- 746
-- HYDROGEN SELENIDE
1- 80
-- HYDROGEN SULFIDE
1- 80
-- HYDROGEN TELLURIDE
1- 80
-- IODINE CYANIDE
1-1453
SPECTRA
-- METHANE CHLOROTRIFLUORO
2- 135
-- METHANE DICHLOROFLUORO-
2- 135
-- METHANE DICHLORODIFLUORO-
2- 135
-- METHANE TRICHLOROFLUORO
2- 135
-- METHYL CHLORIDE
2- 331 2-1724
-- NAPHTHACENE
2-1453
-- NAPHTHALENE
2-1453
-- NEODYMIUM BROMATE
2-1719
-- PENTACENE
2-1453
-- PHENAZINE
2-1453
-- PHOSPHINE
2- 330
-- PLUTONIUM COMPOUNDS
2- 677
-- POTASSIUM BROMIDE
2-1454
-- POTASSIUM URANYL SULFATE
2-1039
-- SAMARIUM COMPOUNDS
1-1711
-- SODIUM BROMIDE
2- 662
-- SODIUM FLUORIDE
2- 662
-- SODIUM IODIDE
2- 662
-- SODIUM URANYL ACETATE
2-1039
-- STARS
1-1235
-- SULFUR DIOXIDE
2- 331
-- TABLES
1- 153
-- THALLIUM OXINATE
2-1544
-- TOLUENE
1-1821
-- TOLUENE PERFLUORO-
1-1821
-- URANIUM CHLORIDES
2-1035
-- URANIUM FLUORIDES
1- 216
-- URANIUM ORGANIC DERIVATIVES
2- 681
-- URANIUM OXIDES
1-1370 2- 683
-- URANYL ACETATE
2- 680 2- 890 2-1039
-- URANYL CHLORIDE
2-1039
-- URANYL COMPOUNDS
2-1745
-- URANYL NITRATE
2- 680 2- 681
-- URANYL SULFATE
2-1039
-- YTTERBIUM COMPOUNDS
1-1711
SPECTRA MASS
-- ETHANE MONODEUTERO-
1-1211
-- METHANE MONODEUTERO-
1-1211
-- METHANE TETRADEUTERO
1-1211
-- PROPANE 1 MONODEUTERO-
1-1211
-- PROPANE 2 MONODEUTERO-
1-1211
SPECTROGRAPHY
SEE ANALYSIS-SPECTROGRAPHIC
ANALYSIS-SPECTROPHOTOMETRIC
MASS SPECTROGRAPHY MASS
SPECTROMETERS SPECTROMETERS
SEE ALSO SUBHEAD SPECTRA UNDER
SPECIFIC ELEMENTS
SEE ALSO SPECIFIC COMPOUNDS
LISTED UNDER MAIN HEADINGS SPECTRA
AND SPECTRA MASS
SPECTROMETERS
SEE ALSO MASS SPECTROMETERS AND
SUBHEAD SPECTROGRAPHIC UNDER
ANALYSIS
1- 920 1-1049 1-1209 1-1344 1-1505
1-1724 1-1726 1-1727 1-1728 2- 325
2- 659 2- 663
-- ALPHA RAY
2-1648
-- BETA RAY
1- 273 1- 330 1- 642 1- 770 1-1046
1-1698 1-1701 2- 181 2- 192
2- 194 2- 220 2- 590 2-1246 2-1251
2-1435 2-2003 2-2178

SPECTROMETERS
-- GAMMA RAY
1- 838 1-1150 2-1245 2-1903 2-2169
-- MICROWAVE
1-1903 2- 255 2- 331
-- NEUTRON
2- 166
-- PROTON
2- 964
-- X-RAY
1- 58 1- 270 1- 431 1- 641 1-1345
1-1806 1-1949 2- 324
SPECTROPHOTOMETERS
SEE ALSO FLUOROPHOTOMETERS
-- CONSTRUCTION AND OPERATION
1-1722 2- 468 2- 661
SPECTROPHOTOMETRY
SEE ANALYSIS-SPECTROPHOTOMETRIC
SUBHEAD SPECTRA UNDER SPECIFIC
ELEMENTS AND SPECIFIC COMPOUNDS
LISTED UNDER MAIN HEADING SPECTRA
SPERMATOZOA
SEE ALSO EGGS AND OVA
-- EFFECTS OF RADIATION ON
1- 239 1- 241 1- 896 1-1116 2- 402
2-1055 2-1058 2-1061 2-1509 2-1756
SPIN
SEE SUBHEAD PROPERTIES NUCLEAR UNDER
SPECIFIC ELEMENTS AND ISOTOPES
SEE SUBHEAD SPIN AND MOMENT UNDER
SPECIFIC PARTICULATE RADIATION
SPIRAL ACCELERATORS
SEE ACCELERATORS PARTICLE
SPLEEN
-- EFFECTS OF RADIATION ON
1- 241 1- 322 1- 739 1-1030 1-1532
1-1764 2- 403
STACK METEOROLOGY
2-1922
STARCH
SEE ALSO GLYCOGEN
-- EFFECTS OF RADIATION ON
1- 333
-- SYNTHESIS OF LABELED
1- 61
STARK EFFECT
SEE MICROWAVES
STARS
SEE ASTROPHYSICS
STATIC ELIMINATORS
2-1310
STATISTICAL ANALYSIS
2-1217 2-1218 2-1219 2-1220
STATISTICAL MECHANICS
SEE ALSO CLASSICAL MECHANICS AND
QUANTUM MECHANICS
1- 186 1- 188 1- 520 1-1452 1-1463
1-1470 1-1911 2- 265 2- 818 2- 834
2- 977 2-1091 2-1261 2-1654 2-1833
2-2183
STEEL
SEE ALSO IRON
-- CERAMIC COATINGS FOR
2- 415
-- ELECTRON EMISSION BY
2- 794
-- RADIOGRAPHY OF
1-1327
STELLAR BODIES
SEE ASTROPHYSICS
STERILITY
-- PRODUCED BY RADIATION
1- 32 1- 239 1- 240 1-1384 2- 839
2-1058 2-1324
STEROIDS
SEE DESOXYCORTICOSTERONE
METHYLTESTOSTERONE PROGESTERONE
AND KETOSTEROIDS
STILBAMIDINE
-- THERAPEUTIC USES
1- 352
STILBENE
-- RADIATION DETECTION USES
1-1646 2- 975
STOMACH
SEE ALSO GASTRIC JUICE
-- EFFECTS OF RADIATION ON
1- 23 1- 893 1-1531 2-1321
STRONTIUM
-- ANALYSIS
1- 752
-- PRODUCTION
1-1623
-- SEPARATION METHODS
2-1528 2-1529 2-1530
-- SPECTRA
1- 466
STRONTIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 466
-- PROPERTIES NUCLEAR
1- 117
-- THERAPEUTIC USES
1- 350
-- TRACER APPLICATIONS
1- 387 1- 560 2- 672 2-1326 2-1570
STRONTIUM SR 88
-- PROPERTIES NUCLEAR
2- 1
STRONTIUM SR 89
-- BIOLOGICAL EFFECTS
1- 38 1- 40 1- 235 1- 416 2- 983
2-1175
-- CROSS SECTION NEUTRON
2-1967
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1- 40
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
1- 607
STRONTIUM SR 90
-- BIOLOGICAL EFFECTS
1- 40 1- 235 1- 901
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1-1190
STRONTIUM COMPOUNDS
-- STRONTIUM BROMIDE
1-1365
-- STRONTIUM CHLORIDE
1- 40
-- STRONTIUM FLUORIDE
1- 466
-- STRONTIUM IODIDE
1-1365
-- STRONTIUM OXIDE
1-1405 1-1545
-- STRONTIUM TITANATES
1-1777 1-1778
-- STRONTIUM URANATE
1- 721
-- STRONTIUM ZIRCONATE
1-1547
STRUCTURE ATOMIC
-- ACTINIDE ELEMENTS
2-1479
-- GENERAL AND THEORETICAL
1- 154 1- 155 1- 165 1- 312 1- 315
1- 527 1- 530 1- 545 1- 627 1- 666
1- 681 1-1346 1-1758 2- 12 2- 329
2- 796 2- 821 2- 834 2- 977 2-1817
-- HYDROGEN
2-1260
-- SULFUR
2- 870
-- TRANSURANIC ELEMENTS
2- 351
STRUCTURE CRYSTAL
SEE ALSO ANALYSIS-DIFFRACTION
CRYSTALLOGRAPHY AND SUBHEAD
STRUCTURE CRYSTAL UNDER SPECIFIC
ELEMENTS
-- ALKALI HALIDES
1-1580 2- 222 2- 223 2- 224 2-1454
-- ALLOYS
2- 587
-- ALUMINUM-URANIUM ALLOYS
1-1965
-- AMMONIUM DIHYDROGEN PHOSPHATE
1- 636
-- AMMONIUM PLUTONIUM SULFATE
2-1471
-- ANTHRACENE
1-1576 2- 464
-- BARIUM TITANATES
1-1779
-- BARIUM URANATE
2-1040 2-2063
-- BERYLLIUM IRON ALLOYS
1-1140
-- CADMIUM-GOLD ALLOYS
2- 163
-- CALCIUM CARBONATE
1-1575
-- CALCIUM FLUORIDE
1-1575 2-1303
-- CALCIUM OXIDE
1-1859
-- CALCIUM SULFATE
1-1575
-- CALCIUM TUNGSTATE
2-1112
-- CALCIUM URANATE
1- 721
-- CARBIDES METALLIC
1- 764 1-1814
-- CERIUM BROMIDE
1- 586
-- CERIUM CHLORIDE
1- 586
-- CERIUM PHOSPHATES
1- 705 1-1712
-- CERIUM SILICIDE
1- 585
-- CERIUM SULFIDES
1- 723
-- CESIUM CHLOROPLUTONATE
1- 584

STRUCTURE CRYSTAL
-- CESIUM PEROXIDE
1-1573
-- COBALT IRON ALLOYS
1- 311
-- COPPER GOLD ALLOYS
1- 311
-- COPPER SULFATE
2- 945
-- GENERAL AND THEORETICAL
1- 313 1- 314 1- 347 1- 496 1- 635
1- 792 1- 977 1-1164 1-1253 1-1570
1-1571 1-1574 1-1579 1-1580 1-1581
1-1582 1-1583 1-1584 1-1808 1-1809
1-1810 1-1812 1-1813 1-1891 2- 118
2-1072 2-1073 2-1916 2-1917
-- ICE
1-1868
-- IRON OXIDE
1- 448
-- LANTHANUM BROMIDE
1- 588
-- LANTHANUM CHLORIDE
1- 588
-- LANTHANUM HYDROXIDE
1- 588
-- LANTHANUM OXYSULFIDE
1- 723
-- LANTHANUM PHOSPHATES
1- 705 1-1712
-- LITHIUM FLUORIDE
2- 121
-- MAGNESIUM OXIDE
1- 448
-- MANGANESE FLUORIDE
2-1085
-- MERCURY-URANIUM ALLOYS
1-1965
-- NEODYMIUM ACETYLACETONATE
2- 864
-- NEODYMIUM BROMIDE
2- 864
-- NEODYMIUM CHLORIDE
1- 588
-- NEODYMIUM PHOSPHATES
1- 705 1-1712
-- NEODYMIUM SULFATE
2- 864
-- NEPTUNIUM DIOXIDE
1-1064
-- NEPTUNIUM SILICIDE
1- 585
-- NITRIDES METALLIC
1- 764 1-1814
-- OXIDES METALLIC
1- 764 1-1814
-- PLUTONIUM CARBIDE
1-1067
-- PLUTONIUM NITRIDE
1-1367
-- PLUTONIUM PHOSPHATE
1-1222
-- PLUTONIUM SILICIDE
1- 585
-- POTASSIUM BROMIDE
1-1578 2- 121
-- POTASSIUM CHLORIDE
1-1578 2-1367
-- POTASSIUM COPPER SULFATE
2- 945
-- POTASSIUM FLUOCERATE
1- 762 1- 763
-- POTASSIUM FLUOLANTHANATE
1- 762 1- 763
-- POTASSIUM FLUOTHORATE
1- 762 1- 763
-- POTASSIUM FLUOURANATE
1- 762 1- 763
-- POTASSIUM PEROXIDE
1-1573
-- PRASEODYMIUM ACETYLACETONATE
2- 864
-- PRASEODYMIUM BROMIDE
1- 588
-- PRASEODYMIUM CHLORIDE
1- 588
-- PRASEODYMIUM HYDROXIDE
1- 588
-- PRASEODYMIUM PHOSPHATES
1- 705 1-1712
-- RARE EARTH COMPOUNDS
2- 864
-- RUBIDIUM PEROXIDE
1-1573
-- SILICON DIOXIDE
1- 636 1-1575 1-1751
-- SODIUM CHLORIDE
1-1578 2- 121
-- SODIUM FLUOCERATE
1- 762
-- SODIUM FLUOLANTHANATE
1- 762
-- SODIUM FLUOPLUTONATE
1- 762
-- SODIUM FLUOTHORATE
1- 762 1- 763
STRUCTURE CRYSTAL
-- SODIUM FLUOURANATE
1- 585 1- 762 1- 763
-- SODIUM NEPTUNYL ACETATE
1-1064
-- SODIUM URANYL ACETATE
2-1039
-- STRONTIUM URANATE
1- 721
-- THALLIUM BROMIDE
1-1859
-- THORIUM ACETYLACETONATE
2- 864
-- THORIUM DIOXIDE
1- 448
-- THORIUM HYDRIDE
1- 632
-- THORIUM NITRATE
1- 446
-- THORIUM NITRIDE
1- 446
-- THORIUM OXYSULFIDE
1- 723
-- THORIUM SULFATE
1- 328
-- THORIUM SULFIDES
1- 723
-- TIN-URANIUM ALLOYS
1-1965
-- TITANIUM CARBIDE
1-1859
-- TITANIUM CHLORIDE
1- 633
-- TITANIUM DIOXIDE
2-1786
-- URANIUM BROMIDES
1- 588
-- URANIUM CARBIDES
1- 214 1-1369
-- URANIUM CHLORIDES
1- 588
-- URANIUM DEUTERIDES
1-1363
-- URANIUM FLUORIDES
1-1072 2- 355
-- URANIUM HALIDES MIXED
1-1367
-- URANIUM HYDRIDES
1-1363
-- URANIUM NITRIDES
1-1224
-- URANIUM OXIDES
1-1075
-- URANIUM OXYSULFIDE
1- 723
-- URANIUM SILICIDES
1- 585
-- URANIUM SULFIDES
1- 723
-- URANYL ACETATE
2-1039
-- URANYL COMPOUNDS
2-1745
-- URANYL FLUORIDE
1- 722
-- ZINC OXIDE
1-1859
-- ZIRCONIUM HYDRIDE
1- 632
STRUCTURE MOLECULAR
SEE ALSO SPECTRA
-- ALUMINUM BOROHYDRIDE
2- 678
-- ALUMINUM HYDRIDE
2- 678
-- AMMONIA
2- 331
-- AMMONIUM SALTS
2- 780
-- BERYLLIUM BOROHYDRIDE
2- 678
-- BERYLLIUM OXIDE
1-1028 2- 844
-- BROMINE CYANIDE
1-1453
-- CARBON OXYSELENIDE
2- 328
-- CARBON OXYSULFIDE
1- 159
-- CARBON TETRAHALIDES
1-1456
-- CESIUM FLUORIDE
1-1504 1-1908
-- CHLORINE CYANIDE
1-1453
-- CHLOROSILANE
2- 591
-- CYANOGEN BROMIDE
2- 327
-- CYANOGEN CHLORIDE
2- 327
-- CYANOGEN IODIDE
2- 327
-- CYCLOPROPANE HEXAFLUORO
1-1110 1-1111 1-1112
-- DEUTERIUM OXIDE
1-1815

STRUCTURE MOLECULAR
-- ETHANE TRIFLUORO
1-1590 2- 131
-- FLUOROFORM
2-1918
-- GALLIUM HYDRIDE
2- 678
-- GENERAL AND THEORETICAL
1-1157 1-1794 2- 824 2-1017 2-1233
2-1625
-- GERMANIUM CHLORIDE
1-1950
-- HYDROCARBONS
1-1454
-- HYDROGEN BROMIDE
1-1881 2-1233
-- HYDROGEN CHLORIDE
1-1881 2-1233
-- HYDROGEN FLUORIDE
2- 721
-- HYDROGEN IODIDE
1-1881 2-1233
-- HYDROGEN SELENIDE
1-1881
-- HYDROGEN SULFIDE
1-1881 2-1233
-- INDIUM HYDRIDE
2- 678
-- IODINE CYANIDE
1-1453
-- LITHIUM BOROHYDRIDE
2- 678
-- METAL COMPLEXES
1- 65
-- METHANE
1-1881 2-1233
-- METHANE MONODEUTERO-
1-1881 2-1233
-- METHYL CHLORIDE
2- 331
-- METHYL FLUORIDE
2-1918
-- PHOSPHORUS TRIFLUORIDE
2-1918
-- SULFUR DIOXIDE
2- 331
-- THALLIUM HYDRIDE
2- 678
-- WATER
1-1815
STYRENE
-- PROPERTIES CHEMICAL
1- 877
SUCCINIC ACID
-- DEGRADATION OF
1- 518
-- METABOLISM OF
1-1238
SUCROSE
-- METABOLISM OF
2-1293
-- SYNTHESIS OF LABELED
1- 61 2-1293
SULFANILAMIDE
-- BINDING BY BACTERIA
2-2234
-- EFFECT ON PROTEIN METABOLISM
1- 393
SULFOPHTHALIC ANHYDRIDE
-- REAGENT FOR RESINS
2- 421
SULFUR
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- METABOLISM STUDIES WITH ISOTOPES
1- 375 1- 393 1- 569 1- 582 1-1734
2-1151 2-1726 2-1727 2-1729 2-2052
2-2237
-- PROPERTIES NUCLEAR
2- 846
-- RADIATION ABSORPTION BY
1-1001 2- 90
-- RADIATION SCATTERING BY
2- 386
-- RADIATION STOPPING BY
2-1171
-- SPECTRA
2- 870
SULFUR ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2-1213
-- PROPERTIES NUCLEAR
1-1700
-- SEPARATION METHODS
1- 478
-- TRACER APPLICATIONS
1- 866 1- 867 2-1151
-- USES IN SYNTHESES
1- 867 2-1125
SULFUR S-32
-- CROSS SECTION DEUTERON
2-1609
-- PROPERTIES NUCLEAR
1- 988 2-1404 2-1609 2-1968
SULFUR S-33
-- PROPERTIES NUCLEAR
1-1155 2-1609
SULFUR S-34
-- TRACER APPLICATIONS
1- 569
SULFUR S-35
-- FORMATION OF
1- 62 1- 469
-- PROPERTIES NUCLEAR
1- 3 1- 330 1-1181 1-1193 1-1233
1-1475 1-1699 2- 374 2- 627 2-1143
2-1213
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
1- 375 1- 393 1- 582 1- 877 1-1734
2- 350 2-1726 2-1727 2-1729 2-2052
2-2234 2-2237
-- USES IN SYNTHESES
1- 877
SULFUR S-36
-- FORMATION OF
1- 63
SULFUR COMPOUNDS
-- SULFIDE DEUTERIUM
1- 80
-- SULFIDE HYDROGEN
1- 80
-- SULFUR DIOXIDE
1- 478 2- 331
-- SULFUR MONOCHLORIDE
1-1362
SUN
-- EFFECT ON COSMIC RADIATION
2-1364 2-1776
-- SPECTRA
2- 390
SWINE
-- EFFECTS OF RADIATION ON
2- 36 2-1656
-- METABOLISM AND TOXICOLOGY STUDIES
2-1153 2-1512
SYNCHROTRONS
SEE ACCELERATORS PARTICLE
SZILARD-CHALMERS REACTION
SEE ISOTOPES SEPARATION METHODS

TANTALUM
-- ANALYSIS
2-1222
-- EMISSION OF ELECTRONS BY
1-1457
-- PRODUCTION
1-1623
-- PROPERTIES METALLURGICAL
1-1143 2- 158 2- 763 2- 766
-- PROPERTIES NUCLEAR
2-1438 2-2222
-- RADIATION ABSORPTION BY
2- 373
-- RADIATION STOPPING BY
2-1885
-- STRUCTURE CRYSTAL
1-1584
TANTALUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 638 2-2020
TANTALUM TA-176
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-177
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-179
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-181
-- CROSS SECTION NEUTRON
2-2143
-- PROPERTIES NUCLEAR
1- 107 1-1484 2- 257 2-1404 2-1972
TANTALUM TA-182
-- PROPERTIES NUCLEAR
1- 157 1- 885
TANTALUM ALLOYS
-- PROPERTIES
2-1080 2-2127 2-2129
TANTALUM COMPOUNDS
-- TANTALUM CARBIDE
2-1079 2-1183
TECHNETIUM
-- ANALYSIS
1- 51
-- PRODUCTION
1-1623 2- 574
-- PROPERTIES CHEMICAL
1- 834 2- 574 2- 678
-- PROPERTIES NUCLEAR
1- 834
-- PROPERTIES PHYSICAL
1- 834
-- SEPARATION METHODS
2- 574 2-2087
-- SPECTRA
2-1717

TECHNETIUM
-- STRUCTURE CRYSTAL
1-1807 2- 462
TECHNETIUM ISOTOPES
-- FORMATION OF
1- 519 1-1506
-- PROPERTIES NUCLEAR
1- 191 1- 305 1-1508
-- SPECTRA
1-1506
TECHNETIUM TC-92
-- PROPERTIES NUCLEAR
1- 639
TECHNETIUM TC-93
-- PROPERTIES NUCLEAR
2- 639
TECHNETIUM TC-94
-- PROPERTIES NUCLEAR
1- 299
TECHNETIUM TC-95
-- PROPERTIES NUCLEAR
1- 299 1- 544 1-1479
TECHNETIUM TC-96
-- PROPERTIES NUCLEAR
1- 300 1-1479
TECHNETIUM TC-97
-- PROPERTIES NUCLEAR
1- 300 2-1686
TECHNETIUM TC-98
-- PROPERTIES NUCLEAR
1- 299
TEETH
-- DEPOSITION OF URANIUM IN
1- 612 1-1248 2- 898
-- METABOLISM OF CALCIUM IN
1- 580
-- METABOLISM OF PHOSPHORUS IN
1- 47 1- 580 1-1058 1-1742 2- 882
TELLURIUM
-- METABOLISM AND TOXICOLOGY
2-1181
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
1- 158 2-1520
-- PROPERTIES PHYSICAL
2- 253 2-1623
-- STRUCTURE ATOMIC
1-1456
TELLURIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 158
TELLURIUM TE 121
-- PROPERTIES NUCLEAR
2- 634
TELLURIUM TE 125
-- PROPERTIES NUCLEAR
1-1703 2- 991 2-1136
TELLURIUM TE 127
-- PROPERTIES NUCLEAR
2- 848
TELLURIUM TE 131
-- CROSS SECTION NEUTRON
1- 136 2-1800
TELLURIUM TE 132
-- PROPERTIES NUCLEAR
1-1359 2-1669
TELLURIUM COMPOUNDS
-- TELLURIDE DEUTERIUM
1- 80
-- TELLURIDE HYDROGEN
1- 80
-- TELLURIUM DIOXIDE
1-1906
TERBIUM
-- SPECTRA
1- 563 1-1334 1-1938
TERBIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1498
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
1- 854 2- 638 2-2209
TERBIUM TB-152
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-153
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-154
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-155
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-160
-- PROPERTIES NUCLEAR
1- 543
TERBIUM TB-161
-- PROPERTIES NUCLEAR
1- 543
TERBIUM COMPOUNDS
-- TERBIUM PERCHLORATE
1-1938
TETRACHLOROETHANE
SEE ETHANE TETROCHLORO-
TESTES
SEE ALSO OVARIES AND STERILITY
-- EFFECTS OF RADIATION ON
2-1058 2-1061
THALLIUM
-- ANALYSIS
1-1726 2- 360 2- 905 2-1544
-- CROSS SECTION NEUTRON
2-1974
-- PRODUCTION
1-1623
-- PROPERTIES CHEMICAL
2- 82 2- 929 2-1544
-- SEPARATION METHODS
2- 81
-- SPECTRA
1- 477
THALLIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1383
-- SEPARATION METHODS
1- 476 1- 477
THALLIUM TL-198
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-199
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-200
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-203
-- PROPERTIES NUCLEAR
2-1229 2-1399
THALLIUM TL-205
-- PROPERTIES NUCLEAR
2-1229 2-1399
THALLIUM TL-208
-- PROPERTIES NUCLEAR
2- 283 2- 550 2- 690 2-1143 2-1440
2-1827
THALLIUM TL-209
-- PROPERTIES NUCLEAR
1-1183 1-1316
THALLIUM COMPOUNDS
-- THALLIUM BROMIDE
1- 860 1-1859 2-1974
-- THALLIUM HYDRIDE
2- 678
-- THALLIUM HYDROXIDE
2-1544
-- THALLIUM IODIDE
1- 860
-- THALLIUM NITRATE
1-1586
-- THALLIUM OXINATES
2- 929 2-1544
-- THALLIUM PERCHLORATE
1-1586
THENOYLTRIFLUOROACETONE
SEE ACETONE THENOYLTRIFLUORO-
THEORY
SEE CLASSICAL MECHANICS COLLISION
THEORY ELECTROMAGNETIC FIELD THEORY
MESON FIELD THEORY PERTURBATION
THEORY QUANTUM MECHANICS
RELATIVITY THEORY AND STATISTICAL
MECHANICS
SEE SUBHEADING THEORY OF UNDER NUCLEAR
FORCES AND RADIATION
THEPHORIN
SEE ANTIHISTAMINIC DRUGS
THERMAL DIFFUSION
SEE ISOTOPES SEPARATION METHODS
THERMOCOUPLES
-- CONSTRUCTION AND OPERATION
2- 494
-- NEUTRON DETECTION WITH
2-1384
THERMODYNAMICS
-- GASES
2- 952 2- 977
-- QUANTUM MECHANICS APPLICATION TO
2-2016
-- SOLUTIONS
2-1031
THIAMINE
-- EFFECT ON PLANT GROWTH
2- 900
THIAZINE DYES
-- HEPARIN INACTIVATION BY
2-1328
THIAZOLE 2-AMINO
-- EFFECT ON IODINE METHOBLISM
1- 710 1- 711
THICKNESS GAUGES
SEE GAUGES
THIOURACIL
-- EFFECT ON IODINE METABOLISM
1- 710 1- 711 1- 845 1-1350
-- EFFECT ON METABOLISM
2-2078
-- THERAPEUTIC USES
2-2217
THIOURACIL BENZYL-
-- EFFECT ON IODINE METABOLISM
1- 710 1- 711

THIOURACIL METHYL
-- EFFECT ON IODINE METABOLISM
1- 711
THIOURACIL PROPYL
-- EFFECT ON IODINE METABOLISM
1- 710 1- 711
-- THERAPEUTIC USES
1-1039
THORIUM
-- ANALYSIS
1- 284 1- 285 1- 490 1- 492 1- 853
1-1204 1-1430 1-1735 1-1939 1-1968
2- 56 2- 58 2- 433 2- 716 2- 864
2- 905 2-1711 2-1897
-- CROSS SECTION ALPHA
1- 301 1-1009
-- FISSION OF
2- 782 2-1097
-- METABOLISM AND TOXICOLOGY
1- 423 1-1095 1-1542 1-1770 2-1181
-- PRODUCTION
1- 972 1-1623 1-1628 1-1629 1-1854
-- PROPERTIES CHEMICAL
2- 430 2- 433
-- PROPERTIES NUCLEAR
1- 169 1- 304 1- 671 1- 835 1-1009
1-1083 1-1189 2- 305 2- 989 2-1041
2-1488
-- RADIATION ABSORPTION BY
2- 373
-- RADIATION STOPPING BY
2-1885
-- SPECTRA
1-1221
-- STRUCTURE ATOMIC
2-1479
THORIUM B
SEE LEAD PB-212
THORIUM C
SEE BISMUTH BI-212
THORIUM C PRIME
SEE POLONIUM PO-212
THORIUM C DOUBLE PRIME
SEE THALLIUM TL-208
THORIUM X
SEE RADIUM RA 224
THORIUM ISOTOPES
-- PROPERTIES NUCLEAR
1-1930
THORIUM TH-226
-- PROPERTIES NUCLEAR
1-1189
THORIUM TH-227
-- PROPERTIES NUCLEAR
2-1436
THORIUM TH-229
-- PROPERTIES NUCLEAR
1-1316 2-1036
THORIUM TH-230
-- PROPERTIES NUCLEAR
2- 630 2- 997 2- 998 2-1435 2-2194
THORIUM TH-231
-- PROPERTIES NUCLEAR
2- 892
THORIUM TH-232
-- FISSION OF
2-1608
-- PROPERTIES NUCLEAR
1-1864 2-1038
THORIUM TH-234
-- PROPERTIES NUCLEAR
1-1185 2- 294
-- TRACER APPLICATIONS
1-1095 2- 676
THORIUM ALLOYS
-- ANALYSIS
1-1785
-- PROPERTIES PHYSICAL
2- 930
-- STRUCTURE CRYSTAL
2-1378
THORIUM COMPOUNDS
-- THORATE POTASSIUM FLUO-
1- 762 1- 763
-- THORATE SODIUM FLUO-
1- 762 1- 763
-- THORIUM ACETYLACETONATE
1-1371 2- 864
-- THORIUM CHLORIDES
2-1533
-- THORIUM CITRATE
1-1542
-- THORIUM FLUORIDES
1- 590
-- THORIUM HYDRIDES
1- 632
-- THORIUM IODATE
2- 430
-- THORIUM NITRATE
1- 258 1- 446 1-1095
-- THORIUM OXIDES
1- 423 1- 448 1- 647 1- 910 1- 912
1-1095 1-1548 1-1628 1-1906 2- 54
-- THORIUM OXYSULFIDE
1- 723
-- THORIUM SULFATE
1- 328 1-1095 1-1514
THORIUM COMPOUNDS
-- THORIUM SULFIDES
1- 723 1-1097 1-1098 1-1099
THORIUM ORES
-- ANALYSIS
1-1430
-- ANALYSIS CHEMICAL
2- 56
-- ANALYSIS RADIOMETRIC
1- 284 1- 285 1- 490 1- 492 1-1855
2- 518 2- 934 2-1382
-- DETECTION OF
2- 519
-- OCCURRENCE
1- 129 1-1630 2- 517 2- 519
THORON
-- SYNTHESIS OF
2-1897
THROMBIN
-- INACTIVATION OF
2- 710
THULIUM ISOTOPES
-- FORMATION OF
2-1014 2-2220 2-2222
-- PROPERTIES NUCLEAR
2- 638 2-1014 2-2222
THULIUM TM-166
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-167
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-168
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-169
-- PROPERTIES NUCLEAR
1-1484
THULIUM TM-171
-- PROPERTIES NUCLEAR
1-1484
THYMINE
-- ANALYSIS
2-2066
THYMUS GLAND
-- EFFECTS OF RADIATION ON
1- 245 1- 739 2- 24 2- 25 2- 398
2- 403 2- 404
THYROID DISEASES
-- CHEMICAL THERAPY
2-2217
-- DIAGNOSIS WITH RADIOIODINE
1- 875 1-1063 1-1329 1-1512 1-1740
1-1934 2- 343
-- RADIATION THERAPY
2- 24 2- 646 2-2217
-- RADIOISOTOPES THERAPY
1- 350 1- 354 1- 355 1- 552 1- 554
1- 556 1- 557 1- 845 1- 847 1- 849
1- 875 1-1063 1-1199 1-1329 1-1330
1-1358 1-1934 1-1935 1-1936 1-1937
1-1957 2- 309 2-1007 2-1278 2-2217
2-2219
THYROID EXTRACT
-- EFFECT ON METABOLISM RATES
2-2078
THYROID GLAND
-- EFFECTS OF RADIATION ON
1- 29 1- 30 1- 246 1-1350
-- IODINE METABOLISM IN
1- 30 1- 246 1- 249 1- 250 1- 385
1- 710 1- 711 1- 712 1- 849 1-1039
1-1329 1-1350 1-1351 1-1507 1-1735
1-1739 1-1740 1-1957 2- 41 2- 335
2- 337 2- 403 2- 404 2-1029 2-1151
2-1157 2-1278 2-1295 2-2232 2-2233
-- RADIOAUTOGRAPHY OF
1-1489
THYROTROPINS
SEE ALSO HORMONES
-- THYROID RESPONSE TO
1-1350 2-1029
THYROXINE
-- METABOLISM OF
1- 30 1- 249 1- 385 1- 712 1-1039
2- 41 2- 397 2-1157
TIMERS
SEE RECORDING SYSTEMS
TIN
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
2- 777
-- PROPERTIES NUCLEAR
2-1843
-- RADIATION ABSORPTION BY
1- 728 1-1374 2- 375 2-1166
TIN SN-115
-- PROPERTIES NUCLEAR
1-1594 2-1612
TIN SN-124
-- PROPERTIES NUCLEAR
2- 233 2-1137
TIN ALLOYS
-- HEAT OF FORMATION
1-1284

TIN ALLOYS
-- PRODUCTION
2-1380
-- STRUCTURE CRYSTAL
1-1965
TIN COMPOUNDS
-- STANNANES
2- 76
-- TIN HYDRIDE
2- 76
TIN ORES
-- INDIUM ISOTOPES IN
1-157.
TITANIUM
-- ANALYSIS
1-1253 1-1392 1-1726 1-1787 2- 380
2-1491 2-1595
-- BIBLIOGRAPHY
1-1619
-- CORROSION
1-1557
-- CROSS SECTION NEUTRON
2-1974
-- PRODUCTION
1- 280 1- 968 1-1428 1-1619 1-1620
1-1623 2-1589 2-1590 2-1958
-- PROPERTIES CHEMICAL
1-1548 1-1557 2- 767 2- 928
-- PROPERTIES METALLURGICAL
1- 280 1-1427 1-1428 1-1557 1-1620
2- 158 2- 768 2-1583 2-1584 2-1586
2-1592 2-1593 2-1958
-- PROPERTIES PHYSICAL
2- 162 2- 765 2- 768 2-2131
-- RADIATION SCATTERING BY
1- 985
-- SPECTRA
1- 567 1-1342 2- 322
TITANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1751
TITANIUM TI-43
-- PROPERTIES NUCLEAR
1- 796
TITANIUM TI-46
-- PROPERTIES NUCLEAR
2- 1
TITANIUM ALLOYS
-- ANALYSIS
1-1392
-- CORROSION
1-1557
-- PRODUCTION
1-1620 1-1852 2-1958
-- PROPERTIES METALLURGICAL
1-1620 2-1585 2-1958
TITANIUM COMPOUNDS
-- TITANIUM BORIDE
2-2130
-- TITANIUM CARBIDE
1- 793 1- 985 1-1859 2-1974 2-2130
-- TITANIUM CHLORIDE
1- 633
-- TITANIUM HYDRIDE
1- 757 1-1790
-- TITANIUM IODIDE
1- 968
-- TITANIUM NITRIDE
2- 767
-- TITANIUM OXIDES
1- 134 1-1144 1-1852 2- 767 2-1786
2-2130
-- TITANIUM SULFATE
1-1255
TITANIUM ORES
-- ANALYSIS
1-1787
-- OCCURRENCE
1-1145 1-1429
TOLUENE
-- NEUTRON RETARDATION BY
1- 219
-- SPECTRA
1-1821
-- SYNTHESIS OF LABELED
1-1789
TOLUENE ALPHA-TRIFLUORO
-- VAPOR PRESSURE
2- 133
TOLUENE ALPHA-TRIFLUORO M-CHLORO-
-- PROPERTIES
1-1408
TOLUENE ALPHA-TRIFLUORO O-CHLORO-
-- PROPERTIES
1- 939
TOLUENES FLUORO-
-- PROPERTIES CHEMICAL
1-1409
-- SPECTRA
1-1821
TOLUIDINE BLUE
-- HEPARIN INACTIVATION BY
2-1328
-- THROMBIN INACTIVATION BY
2- 710
TOXICOLOGY
SEE SUBHEAD METABOLISM AND TOXICOLOGY UNDER SPECIFIC ELEMENT SUCH AS URANIUM
SEE SUBHEAD METABOLISM AND TOXICOLOGY STUDIES UNDER SPECIFIC ANIMAL SUCH AS RATS ETC
TRACER APPLICATIONS RADIOACTIVE
TRACER APPLICATIONS ARE ALSO LISTED UNDER MAIN HEADINGS ISOTOPES AND SPECIFIC ISOTOPES SUCH AS CARBON C-14
-- AGRICULTURE
1- 255 1- 354 1- 396 1- 709 1-1059
1-1958 2- 333 2- 334 2- 344 2- 347
2- 884 2-1154 2-1299 2-1725 2-1854
2-1855 2-2235
-- BIBLIOGRAPHIES
1- 387
-- BIOLOGY
1- 40 1- 43 1- 47 1- 252 1- 255
1- 342 1- 343 1- 350 1- 361 1- 364
1- 365 1- 366 1- 370 1- 371 1- 372
1- 374 1- 375 1- 376 1- 377 1- 378
1- 380 1- 382 1- 383 1- 384 1- 385
1- 386 1- 387 1- 388 1- 389 1- 390
1- 391 1- 392 1- 393 1- 394 1- 395
1- 396 1- 473 1- 552 1- 557 1- 559
1- 571 1- 572 1- 573 1- 574 1- 575
1- 576 1- 577 1- 578 1- 580 1- 581
1- 582 1- 583 1- 701 1- 709 1- 710
1- 711 1- 712 1- 713 1- 714 1- 715
1- 717 1- 718 1- 750 1- 830 1- 844
1- 863 1- 864 1- 865 1- 869 1- 870
1- 871 1- 872 1- 874 1- 875 1- 876
1-1051 1-1053 1-1054 1-1055 1-1056
1-1057 1-1058 1-1060 1-1061 1-1062
1-1063 1-1212 1-1214 1-1215 1-1216
1-1217 1-1329 1-1331 1-1350 1-1351
1-1352 1-1353 1-1354 1-1355 1-1356
1-1512 1-1733 1-1734 1-1735 1-1736
1-1358 1-1386 1-1387 1-1388 1-1389
1-1495 1-1507 1-1508 1-1509 1-1510
1-1737 1-1738 1-1739 1-1740 1-1741
1-1742 1-1936 1-1957 1-1958 2- 334
2- 335 2- 336 2- 337 2- 338 2- 339
2- 341 2- 342 2- 343 2- 344 2- 345
2- 346 2- 404 2- 644 2- 664 2- 665
2- 666 2- 667 2- 668 2- 670 2- 671
2- 672 2- 673 2- 758 2- 866 2- 873
2- 877 2- 878 2- 879 2- 880 2- 881
2- 882 2- 883 2- 901 2-1018 2-1019
2-1020 2-1021 2-1025 2-1026 2-1027
2-1030 2-1097 2-1150 2-1151 2-1152
2-1153 2-1154 2-1155 2-1156 2-1157
2-1158 2-1181 2-1182 2-1214 2-1216
2-1293 2-1295 2-1296 2-1297 2-1298
2-1299 2-1326 2-1331 2-1455 2-1456
2-1457 2-1458 2-1459 2-1460 2-1461
2-1462 2-1463 2-1464 2-1465 2-1726
2-1727 2-1728 2-1729 2-1730 2-1731
2-1732 2-1852 2-1853 2-1854 2-1855
2-1856 2-1857 2-1858 2-1860 2-1862
2-1963 2-2048 2-2049 2-2050 2-2051
2-2052 2-2053 2-2054 2-2081 2-2227
2-2228 2-2229 2-2230 2-2231 2-2232
2-2233 2-2234 2-2235 2-2236 2-2237
2-2238
-- CHEMISTRY
1- 59 1- 373 1- 473 1- 579 1- 861
1- 862 1- 866 1- 867 1- 873 1- 877
1-1213 1-1349 1-1792 2- 348 2- 674
2- 872 2- 956 2-1216 2-1327 2-1332
2-1335 2-1343 2-1447 2-1467 2-1468
2-1521 2-1522 2-1733 2-1863 2-1893
2-2055 2-2060
-- GEOLOGY AND GEOPHYSICS
2-1503 2-1570
-- INDUSTRY
1- 362 1- 364 1- 381 1- 672 1- 716
1- 774 1- 969 1-1831 2- 334 2- 349
2- 350 2- 675 2- 885 2- 886 2- 887
2-1174 2-1241 2-1469 2-1734 2-1955
2-2057
-- PHYSICS
1- 379 1-1963 2- 676 2-1031 2-1032
2-1159 2-1160 2-1300 2-1735 2-2058
TRACER APPLICATIONS STABLE
TRACER APPLICATIONS ARE ALSO LISTED UNDER MAIN HEADINGS ISOTOPES AND SPECIFIC ISOTOPES SUCH AS DEUTERIUM
-- BIOLOGY
1- 361 1- 363 1- 365 1- 366 1- 367
1- 368 1- 369 1- 370 1- 371 1- 569
1- 571 1- 706 1- 865 1- 872 1-1051
1-1052 1-1053 2- 332 2- 875 2- 884
2-1294 2-1465
-- CHEMISTRY
1- 570 1-1211 2-1733
TRADESCANTIA
SEE PLANTS
TRANSURANIC ELEMENTS
SEE ELEMENTS TRANSURANIC
TRIFLUOROETHANE
SEE ETHANE TRIFLUORO

TRIGONOMETRIC FUNCTIONS
SEE ALSO MATHEMATICS
-- FOR NEUTRON DIFFUSION CALCULATIONS
2-1387
TRILLIUM
SEE PLANTS
TRIPHENYL METHANE
SEE METHANE TRIPHENYL-
TRITIUM
SEE ALSO DEUTERIUM AND HYDROGEN
-- ANALYSIS
2-1063 2-1216
-- CROSS SECTION DEUTERON
1-1161
-- CROSS SECTION PROTON
1-1635 2-1613
-- FORMATION OF
1- 955 1- 978 2-1600 2-1613 2-1987
-- PROPERTIES CHEMICAL
2-1216
-- PROPERTIES NUCLEAR
1-1004 1-1011 1-1148 1-1168 1-1319
1-1478 1-1635 1-1720 1-1886 2- 204
2- 850 2- 968 2-1216 2-1228 2-1497
2-1615 2-1616 2-1686 2-1692 2-1826
2-1839 2-1842 2-1968 2-1981 2-2150
2-2151 2-2152 2-2195
-- PROPERTIES PHYSICAL
1-1814 2-1216
-- SPECTRA
1-1720 2- 857 2-2226
-- TRACER APPLICATIONS
2-1158 2-1216
TRITIUM COMPOUNDS
-- TRITIUM DEUTERIDE
2- 469
TRITONS
-- DETECTION AND MEASUREMENT
1- 505 1-1441 2-1107
-- DIFFUSION AND SCATTERING
1- 933 2- 893 2-1045
-- FROM CARBON ISOTOPES
2-1799
-- FROM SILVER ISOTOPES
1- 303
-- NUCLEAR REACTIONS
1-1010 1-1160
-- POLARIZATION OF
2-1093
-- PROPERTIES
2- 564 2- 781
-- SPIN AND MOMENT
2- 231
-- WAVE EQUATIONS FOR
2- 564
TROCHOTRONS
SEE MASS SPECTROMETERS
TRYPTOPHANE
-- METABOLISM OF
1- 372 2- 667 2- 900 2-1456 2-2048
2-2049
-- SYNTHESIS OF LABELED
1-1397 2-1762
TUBES
SEE DARK TUBES ELECTRONMULTIPLIER
PHOTOMULTIPLIER VACUUM AND X-RAY
TUBES
TUMORS AND CANCERS
-- CAUSES AND ORIGIN
1- 27 1- 40 1- 423 1- 734 1- 751
1-1597
-- CHEMICAL THERAPY
2-2035
-- METABOLISM PROCESSES IN
1- 40 1- 252 1- 552 1- 581 1-1055
1-1353 1-1736 1-1737 2-1458 2-1862
-- RADIATION THERAPY
1- 234 1- 344 1- 345 1- 346 1- 349
1- 350 1- 351 1- 352 1- 419 1- 555
1- 744 1- 846 1-1496 1-1708 2- 308
2- 311 2- 641 2- 643 2- 654 2-1004
2-1011 2-1013 2-1698 2-1847 2-1848
2-2034 2-2035 2-2038 2-2039 2-2210
2-2212 2-2215 2-2218
-- RADIOISOTOPES DIAGNOSIS
1- 376 1- 870 1-1512 1-1738 2- 876
2- 877
-- RADIOISOTOPES THERAPY
1- 45 1- 340 1- 551 1- 552 1- 554
1- 558 1- 560 1- 700 1- 848 1- 849
1- 850 1-1196 1-1199 1-1358 1-1709
1-1710 1-1935 1-1936 2- 306 2- 642
2-1004 2-1005 2-1006 2-1009 2-1146
2-1278 2-2039 2-2214
TUNGSTEN
-- ANALYSIS
2- 66
-- CROSS SECTION NEUTRON
1- 979
-- ELECTRON EMISSION BY
2- 794
-- FISSION OF
2-1975
-- PROPERTIES CHEMICAL
2- 928
-- PROPERTIES NUCLEAR
2- 687 2- 994 2-1438
TUNGSTEN
-- RADIATION STOPPING BY
2-1973
-- SPECTRA
1-1905
-- STRUCTURE CRYSTAL
1-1584
TUNGSTEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1015 2-2123
-- PROPERTIES NUCLEAR
2- 638
TUNGSTEN W-185
-- PROPERTIES NUCLEAR
1- 837 1-1701
TUNGSTEN W-187
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 837 2- 297 2- 995 2-1838
TUNGSTEN ALLOYS
-- PROPERTIES
2-2127
TUNGSTEN COMPOUNDS
-- TUNGSTEN BORIDE
2-2130
-- TUNGSTEN CARBIDE
1- 793 2-1079 2-1184 2-2130
-- TUNGSTEN CHLORIDES
1-1264
-- TUNGSTEN FLUORIDES
1-1264 2- 439
-- TUNGSTEN OXIDES
1-1264 2- 439 2-2130
-- TUNGSTEN OXYCHLORIDE
1-1264
-- TUNGSTEN OXYFLUORIDE
1-1264
TYROSINE
-- METABOLISM OF
1- 252
TYROSINE MONOIODO
-- METABOLISM OF
1-1507
TYROSINE DIIODO-
-- METABOLISM OF
1- 385 1-1507

ULTRASONIC WAVES
-- EFFECTS ON RADIOACTIVITY
2-2026
UNCERTAINTY PRINCIPLE
2-2017
UNIVERSE EVOLUTION
SEE ASTROPHYSICS
URACIL
-- ANALYSIS
2-2086
URACIL THIO-
SEE THIOURACIL
URANIUM
-- ANALYSIS
1- 212 1- 284 1- 285 1- 398 1- 490
1- 492 1- 589 1- 752 1- 868 1-1049
1-1070 1-1077 1-1226 1-1227 1-1430
1-1964 1-1965 1-1968 1-1969 2- 312
2- 313 2- 353 2- 356 2- 357 2- 358
2- 359 2- 360 2- 365 2- 493 2- 658
2- 682 2- 683 2- 891 2-1302 2-1490
2-1595 2-2445
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
2- 777
-- FISSION OF
1- 10 1- 11 1- 12 1- 51 1- 54
1- 111 1- 114 1- 115 1- 117 1- 132
1- 133 1- 178 1- 194 1- 203 1- 228
1- 277 1- 287 1- 304 1- 359 1- 430
1- 599 1- 601 1- 619 1- 651 1- 670
1- 671 1- 692 1- 725 1- 729 1- 730
1- 731 1- 862 1- 868 1- 869 1- 890
1- 891 1- 976 1-1230 1-1266 1-1293
1-1378 1-1379 1-1380 1-1381 1-1382
1-1383 1-1440 1-1525 1-1527 1-1632
1-1640 1-1756 1-1757 1-1759 1-1861
1-1963 1-1967 2- 20 2- 21 2- 168
2- 176 2- 317 2- 363 2- 391 2- 392
2- 393 2- 700 2- 848 2- 897 2-1000
2-1053 2-1054 2-1097 2-1129 2-1130
2-1145 2-1173 2-1174 2-1305 2-1310
2-1312 2-1313 2-1314 2-1315 2-1316
2-1318 2-1384 2-1502 2-1505 2-1520
2-1521 2-1528 2-1529 2-1530 2-1531
2-1532 2-1535 2-1537 2-1538 2-1539
2-1541 2-1602 2-1613 2-1659 2-1660
2-1665 2-1666 2-1670 2-1671 2-1674
2-1678 2-1679 2-1681 2-1682 2-1683
2-1706 2-1707 2-1708 2-1709 2-1710
2-1711 2-1713 2-1714 2-1715 2-1739
2-1879 2-1880 2-1881 2-1886 2-1989
2-2020 2-2067 2-2075 2-2092
-- HANDLING AND TRANSPORATION
2-1923
-- INCORPORATION IN FOREIGN CRYSTALS
2-1303

URANIUM
-- METABOLISM AND TOXICOLOGY
1- 13 1- 41 1- 45 1- 46 1- 611
1- 612 1- 748 1- 749 1- 750 1- 892
1- 906 1- 907 1- 908 1-1074 1-1093
1-1248 1-1386 1-1387 1-1388 1-1533
1-1768 2- 47 2- 49 2- 406 2- 409
2- 410 2- 698 2-1179 2-1180 2-1181
2-1856 2-2080
-- OXIDATION AND REDUCTION STATES
1- 209 1- 586 1- 591 1- 726 1-1364
1-1366 2- 352 2- 359 2- 367 2-1161
2-1162 2-1746 2-1748
-- PRODUCTION
1-1623 1-1628 1-1629 2- 351 2- 364
2-1339 2-1493 2-1865
-- PROPERTIES CHEMICAL
1- 208 1- 620 2- 352 2-1042 2-1043
2-1161 2-1163 2-1304 2-1746 2-1748
-- PROPERTIES NUCLEAR
2-2241
-- PROPERTIES PHYSICAL
1- 399 2-1742
-- PURIFICATION
2-1493
-- RADIATION ABSORPTION BY
1- 729 2-1166
-- SPECTRA
1-1221 2-1743 2-2065 2-2246
-- STRUCTURE ATOMIC
2-1033 2-1479 2-1743
-- STRUCTURE CRYSTAL
1- 211
URANIUM X 1
SEE THORIUM TH-234
URANIUM X 2
SEE PROTOACTINIUM PA 234
URANIUM Y
SEE THORIUM TH-231
URANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922 2-2073
-- SPECTRA
1-1361 1-1743 2- 891
-- TRACER APPLICATIONS
1- 750
URANIUM U 229
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1144 2-1614
URANIUM U 230
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
1-1189 2-1614
URANIUM U 231
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1614
URANIUM U 232
-- FORMATION OF
1- 301 2-1041 2-1488 2-1614
-- PROPERTIES NUCLEAR
2-1488 2-1614
URANIUM U 233
-- CROSS SECTION ALPHA
1-1229
-- FISSION OF
2-1866
-- FORMATION OF
1- 731
-- PROPERTIES NUCLEAR
1-1229 1-1316 2-1036 2-1038 2-2059
-- RADIOAUTOGRAPHIC USES
1-1387
-- TRACER APPLICATIONS
1-1386 1-1387 1-1388
URANIUM U 234
-- ANALYSIS RADIOMETRIC
2-2243
-- PROPERTIES NUCLEAR
2- 679
URANIUM U 235
-- ANALYSIS RADIOMETRIC
1-1643
-- FISSION OF
1- 168 1- 493 1- 791 1-1293 1-1632
2- 171 2- 392 2- 936 2-1866 2-2148
-- FORMATION OF
1- 731
-- PROPERTIES NUCLEAR
1-1514 2-1489 2-2061
URANIUM U 237
-- FORMATION OF
1-1732 2-1489 2-2241
-- ISOTOPIC SEPARATION
1-1372 2- 354
-- PROPERTIES NUCLEAR
1-1372 2-2242
URANIUM U 238
-- FISSION OF
1-1864 2-1037 2-1608 2-1739
-- PROPERTIES NUCLEAR
1- 206 1- 879 1-1066 2-1470 2-1489
URANIUM U-238
-- SPECTRA
2- 891
URANIUM U 239
-- ISOTOPIC SEPARATION
2- 354
URANIUM ALLOYS
-- PRODUCTION
2- 512
-- PROPERTIES
2- 512
-- STRUCTURE CRYSTAL
1-1965 2-1378
URANIUM COMPOUNDS
-- ORGANIC DERIVATIVES
2- 49 2- 354 2- 362 2- 681
-- URANATE BARIUM
2-1040 2-2063
-- URANATE CALCIUM
1- 721
-- URANATE POTASSIUM FLUO-
1- 762 1- 763
-- URANATE SODIUM
1- 881
-- URANATE SODIUM FLUO-
1- 585 1- 762 1- 763
-- URANATE STRONTIUM
1- 721
-- URANATES
2- 367
-- URANIUM ACETYLACETONATE
1-1371
-- URANIUM BROMIDES
1- 210 1- 588 1-1364 1-1365 1-1366
-- URANIUM CARBIDES
1- 214 1-1369
-- URANIUM CHLORIDES
1- 210 1- 588 1- 906 1-1366 1-1362
1-1744 2- 352 2-1035
-- URANIUM DEUTERIDE
1-1363 2-1043
-- URANIUM FLUORIDES
1- 210 1- 213 1- 215 1- 216 1- 590
1- 860 1- 913 1-1070 1-1071 1-1072
1-1076 1-1223 1-1226 1-1248 1-1360
2- 355 2-1492 2-1744
-- URANIUM HALIDES MIXED
1- 210 1-1367
-- URANIUM HYDRIDES
1-1363 2-1043 2-1303 2-1749
-- URANIUM IODIDES
1- 210
-- URANIUM NITRIDES
1-1224
-- URANIUM OXIDES
1- 41 1- 611 1- 724 1- 726 1-1075
1-1223 1-1362 1-1370 1-1533 1-1638
1-1745 1-1959 2- 364 2- 367 2- 409
2- 683 2-1042 2-1162 2-1315 2-1478
2-1493 2-2064 2-2240 2-2244
-- URANIUM OXYSULFIDE
1- 723
-- URANIUM SILICIDES
1- 585
-- URANIUM SULFIDES
1- 723 1-1098 1-1099
-- URANYL ACETATE
1- 755 2- 362 2- 366 2- 680 2- 890
2-1039
-- URANYL ACETATE SODIUM
2-1039
-- URANYL CHLORIDE
1- 748 1-1362 2- 356 2-1039
-- URANYL CITRATES
1-1074
-- URANYL FERROCYANIDE
2-1747
-- URANYL FLUORIDE
1- 722 1- 749 1- 906
-- URANYL HYDROXIDE
1- 881
-- URANYL NITRATE
1- 45 1- 328 1- 379 1- 611 1- 612
1- 749 1- 750 1- 906 1- 907 1-1073
1-1223 1-1368 1-1514 1-1963 2- 44
2- 47 2- 49 2- 364 2- 366 2- 406
2- 680 2- 681 2- 898 2-1163 2-1478
2-1741 2-1865 2-2062 2-2080
-- URANYL NITRATES BASIC
1- 881
-- URANYL OXALATE
1-1368 1-1371
-- URANYL PERCHLORATE
2- 356
-- URANYL SULFATE
1-1225 1-1371 1-1370 2- 356 2-1039
-- URANYL SULFATE POTASSIUM
2-1039 2-1745
URANIUM IONS
-- PROPERTIES MAGNETIC
2-1033
URANIUM ORES
-- ANALYSIS CHEMICAL
1- 726 1- 752 1- 913 1-1962 2-1490
2-1491

URANIUM ORES
-- ANALYSIS RADIOMETRIC
1- 126 1- 284 1- 285 1- 490 1- 492
1- 725 1- 940 1-1430 1-1855 1-1962
2- 934 2-1382
-- DETECTION OF
1- 489 1- 491 1- 492 1-1291 2- 518
2- 519 2-1084
-- OCCURRENCE
1- 127 1- 129 1- 130 1- 677 1- 790
1- 973 1-1144 1-1267 1-1288 1-1290
1-1629 2- 516 2- 519 2- 520 2- 521
2- 522 2- 771 2- 772 2-1054 2-1961
-- ORIGIN
1- 940
UREA
-- METABOLISM OF
2- 669 2-1023
-- STRUCTURE CRYSTAL
1- 937
-- SYNTHESIS OF LABELED
1-1395
URETHANE
-- ANESTHETIC USES
2-1325
-- EFFECTS ON METABOLISM
2-1296
-- METABOLISM OF
2-1458 2-1862
-- THERAPEUTIC USES
1- 352 1-1038
URIC ACID
-- METABOLISM OF
1- 382 2-1346
URINE
-- ANALYSIS FOR CITRIC ACID IN
2-1337
-- ANALYSIS FOR FISSION PRODUCTS IN
2-1863
-- ANALYSIS FOR PROTOACTINIUM IN
2-1335
-- ANALYSIS RADIOMETRIC
1- 639
-- EXCRETION OF BERYLLIUM IN
1- 606
-- EXCRETION OF NITROGEN IN
1- 708 1- 749 1-1093
-- EXCRETION OF PHOSPHORUS IN
2-2229
-- EXCRETION OF PLUTONIUM IN
1- 42 1- 417
-- EXCRETION OF STRONTIUM IN
1- 607
-- EXCRETION OF SULFUR IN
1-1734 2-1727 2-2237
-- EXCRETION OF URANIUM IN
1- 46 1- 611 1- 750 1- 907
UROBILINOGEN
-- METABOLISM OF
1- 892
UROROSEIN
-- METABOLISM OF
USNIC ACID
-- EFFECT ON METABOLISM
1- 869
UTERUS
SEE ALSO OVARIES
-- EFFECTS OF RADIATION ON
1- 736 1- 744 2-1322 2-2211
UTERUS DISEASES
-- RADIATION THERAPY OF
2-1011 2-1848 2-2034 2-2038 2-2039
-- RADIOISOTOPES THERAPY
1-1709 2-1005 2-1279 2-2039

VACUUM FURNACES
-- CONSTRUCTION AND OPERATION
2-1223
VACUUM SYSTEMS
-- GAUGES AND FITTINGS FOR
1- 592 1- 594 1-1078 1-1231 1-1232
1-1748 1-1972 2- 369 2- 370 2- 684
2- 686 2-1164 2-1494 2-1496 2-2066
2-2247
-- LEAK DETECTION
1- 110 1- 593 1- 782 1- 783 2- 368
2- 685 2-1496
-- PRODUCTION AND CHARACTERISTICS
1- 279 1- 592 1- 593 1-1079 1-1232
1-1373 2- 371 2- 685 2-1164 2-1495
2-1496 2-1867 2-2247
-- PUMPS FOR
1- 592 1-1177 1-1178 1-1746 1-1747
1-1973 2- 685 2-1044 2-1164 2-2247
-- WEIGHING OPERATIONS IN
1- 99
VACUUM TUBES
SEE ALSO DARK TRACE ELECTRONMULTIPLIER PHOTOMULTIPLIER AND X-RAY TUBES
-- CONSTRUCTION AND OPERATION
1- 97 1- 948 1-1126 1-1834 2- 142
2- 186 2- 199 2- 255 2- 541 2- 752
2- 754 2- 805 2- 965 2- 974 2-1924
2-1932 2-1934 2-1946 2-1951

VANADIUM
-- ANALYSIS
1- 57 1-1394 1-1783 2- 60 2- 66
2- 905 2-1491 2-1595
-- METABOLISM AND TOXICOLOGY
1- 48
-- PRODUCTION
1-1628 2- 361
-- PROPERTIES METALLURGICAL
2- 158
-- SPECTRA
1-1048
VANADIUM V-48
-- PROPERTIES NUCLEAR
2-2202
VANADIUM COMPOUNDS
-- VANADIUM OXIDES
1- 48 1-1628
VAN DE GRAAFF ACCELERATORS
SEE ACCELERATORS PARTICLE - VAN DE GRAAFF
VAN DE GRAAFF GENERATORS
SEE ELECTROSTATIC GENERATORS
VAPOR PRESSURE CHARTS
2- 894
VARIATION BIOLOGY
SEE CHROMOSOMES- EFFECTS OF RADIATION ON
VARITRONS
SEE MESONS
VETERINARY SCIENCE
-- ASPECTS IN ATOMIC EXPLOSION
1-1269
VINYL ACETATE
SEE ACETATE VINYL
VIRUSES
SEE ALSO BACTERIA AND BACTERIOPHAGES
-- EFFECTS OF RADIATION ON
1- 899 1- 900 1-1242 2- 706
-- REPRODUCTION MODES
2-1191
VITAMINS
-- ASCORBIC ACID
1- 589 1-1036 2- 26 2-1434
-- FOLIC ACID
2- 397 2- 614 2- 616 2- 983 2- 984
2-1696
-- NIACIN
1-1036
-- NICOTINIC ACID
1- 369 1- 372
-- PYRIDOXINE
2- 616
-- RIBOFLAVIN
1- 717
-- THIAMINE
2- 900
-- VITAMIN A
1- 713
-- VITAMIN D
2-1461
-- VITAMIN K
2-1362
-- VITAMIN P
2- 26
VOLTAGE AMPLIFIERS
-- CONSTRUCTION AND OPERATION
1-1128 1-1602
VOLTAGE STABILIZERS
-- CONSTRUCTION AND OPERATION
1-1603 1-1828
VOLTAGE SUPPLY
-- CONSTRUCTION AND OPERATION
1-1603
VOLTMETERS
-- CONSTRUCTION AND OPERATION
1- 946 1-1915
-- EFFECTS OF MAGNETIC FIELDS ON
2- 917

WASTE DISPOSAL RADIOACTIVE
SEE ALSO HEALTH PHYSICS AND RADIATION HAZARDS AND PROTECTION
1- 228 1- 361 1- 457 1- 945 1-1268
1-1418 2- 138 2- 392 2- 486 2- 488
2- 655 2-1075 2-1571 2-1922 2-2225
WATER
-- CONTAMINATION RADIOACTIVE
1- 451 1-1599
-- DETERMINATION IN ANIMAL BODIES
2-1158
-- EFFECTS OF RADIATION ON
1- 35 1- 197 1- 413 1- 843 1-1037
1-1488 2- 29 2- 278 2-1167
-- PROPERTIES PHYSICAL
1-1816
-- RADIATION ABSORPTION BY
1-1176 1-1403 2- 90 2-1069 2-1365
-- RADIATION SCATTERING BY
1- 145
-- RADIATION STOPPING BY
2-2072
-- STRUCTURE MOLECULAR
1-1815

WATTMETERS
-- EFFECTS OF MAGNETIC FIELDS ON
2- 917
WELL LOGGING
SEE PETROLEUM RADIATION LOGGING OF
WOUNDS
-- EFFECTS OF URANIUM COMPOUNDS ON
HEALING OF
2-1179

X-RADIATION
SEE ALSO ANALYSIS-DIFFRACTION GAMMA
RADIATION AND RADIATION
-- ABSORPTION
1- 217 1- 218 1- 766 1-1749 2- 6
2- 376 2- 852 2-1307 2-1851
-- BIOLOGICAL EFFECTS
1- 17 1- 21 1- 22 1- 26 1- 27
1- 28 1- 29 1- 31 1- 36 1- 39
1- 408 1- 40C 1- 40D 1- 40E 1- 40F
1- 40G 1- 40J 1- 40N 1- 229 1- 230
1- 231 1- 232 1- 236 1- 237 1- 238
1- 242 1- 245 1- 322 1- 324 1- 405
1- 406 1- 409 1- 415 1- 416 1- 602
1- 733 1- 736 1- 737 1- 739 1- 741
1- 742 1- 743 1- 892 1- 896 1- 897
1- 899 1- 902 1- 903 1- 904 1- 905
1-1087 1-1088 1-1090 1-1115 1-1237
1-1238 1-1241 1-1242 1-1243 1-1244
1-1245 1-1246 1-1314 1-1385 1-1473
1-1528 1-1529 1-1530 1-1531 1-1762
1-1764 2- 23 2- 24 2- 25 2- 26
2- 27 2- 28 2- 30 2- 32 2- 35
2- 36 2- 37 2- 39 2- 40 2- 310
2- 395 2- 396 2- 398 2- 400 2- 401
2- 404 2- 614 2- 703 2- 704 2- 705
2- 706 2- 707 2- 708 2- 984 2-1055
2-1056 2-1057 2-1058 2-1059 2-1061
2-1062 2-1126 2-1128 2-1175 2-1176
2-1177 2-1178 2-1263 2-1319 2-1320
2-1321 2-1322 2-1323 2-1324 2-1325
2-1434 2-1443 2-1444 2-1506 2-1507
2-1508 2-1509 2-1510 2-1511 2-1656
2-1698 2-1753 2-1754 2-1756 2-1858
2-1859 2-1891 2-2076 2-2077 2-2078
2-2079 2-2216
-- CHEMICAL EFFECTS
1- 546 1- 697 1- 842 1- 843 1-1036
1-1037 1-1468 1-1707 2-1835
-- DETECTION AND MEASUREMENT
1- 95 1- 146 1- 219 1- 727 1- 954
1-1023 1-1148 1-1301 1-1431 1-1482
1-1515 1-1535 1-1663 2- 209 2- 227
2- 548 2- 553 2- 801 2- 806 2- 958
2- 967 2-1110 2-1420 2-1422
-- DIFFRACTION
1- 147 1- 311 1- 425 1- 431 1- 464
1- 617 1- 636 1- 641 1- 936 1- 938
1-1109 1-1404 1-1415 1-1515 1-1572
1-1575 1-1712 1-1805 1-1806 1-1812
1-1955 2- 122 2- 461 2- 463 2- 468
2- 511 2-1368 2-1785
-- DIFFUSION AND SCATTERING
1- 937 1-1749 1-1754 2- 396 2- 852
2-1170
-- DOSAGE DETERMINATIONS
2- 310 2- 552 2- 862 2-1008 2-1145
2-1511 2-1697 2-1698 2-2037
-- EFFECT ON CRYSTAL STRUCTURE
2-1367
-- EXPERIMENTAL TECHNIQUES FOR ANIMAL
EXPOSURE TO
2-1178
-- FROM ALUMINUM ISOTOPES
1- 625
-- FROM AMERICIUM ISOTOPES
1-1066
-- FROM ANTIMONY ISOTOPES
2-1837
-- FROM BISMUTH ISOTOPES
2-1132
-- FROM CESIUM ISOTOPES
1-1030
-- FROM GERMANIUM ISOTOPES
2- 299
-- FROM HEAVY ELEMENTS
2-1133
-- FROM LEAD ISOTOPES
2- 967 2-1132
-- FROM NEODYMIUM ISOTOPES
2-1449 2-1674
-- FROM NEPTUNIUM ISOTOPES
2-1489
-- FROM PARTICLE ACCELERATORS
1- 675 2-2154
-- FROM RHODIUM ISOTOPES
2-1685
-- FROM RUBIDIUM ISOTOPES
2-1077
-- FROM RUTHENIUM ISOTOPES
1- 544
-- FROM SELENIUM ISOTOPES
1- 226 1- 544
-- FROM SULFUR ISOTOPES
2- 670

X-RADIATION
-- FROM TECHNETIUM ISOTOPES
1- 295 1- 300 1-1703
-- FROM TELLURIUM ISOTOPES
2- 991
-- FROM THORIUM ISOTOPES
2-1036
-- FROM URANIUM ISOTOPES
2-2242
-- FROM XENON ISOTOPES
2-1667
-- NUCLEAR REACTIONS
1- 997 1-1016 1-1460 2- 233 2-1269
2-1404
-- PRODUCTION
1-1749 2- 587 2- 852 2-1145 2-1576
-- RADIOGRAPHIC USES
1- 199 1- 599 1- 890 1-1326 1-1490
1-1749 2- 37 2- 851 2- 852
-- SHIELDING FOR
2- 379 2- 490 2- 689 2-1076
-- THERAPEUTIC USES
1- 344 1- 345 1- 352 1- 560 1-1038
1-1708 2- 24 2- 279 2- 307 2- 308
2- 310 2- 641 2- 643 2- 854 2- 858
2- 859 2- 861 2- 862 2-1004 2-1008
2-1010 2-1011 2-1013 2-1145 2-1147
2-1281 2-1443 2-1444 2-1697 2-1699
2-1700 2-1848 2-2034 2-2035 2-2037
2-2038 2-2039 2-2210 2-2212 2-2213
2-2215 2-2216 2-2217 2-2218
X-RAY CAMERAS
SEE CAMERAS
X-RAY SCREENS
-- CONSTRUCTION AND OPERATION
2- 688
X-RAY TUBES
SEE ALSO DARK TRACE
ELECTRONMULTIPLIER PHOTOMULTIPLIER
AND VACUUM TUBES
-- CONSTRUCTION AND OPERATION
1-1090 1-1750 2- 123 2-1307 2-1421
2-1578
XENON
-- ANALYSIS
1- 115 2- 503
-- METABOLISM AND TOXICOLOGY
2-1181
-- PROPERTIES CHEMICAL
2- 78
-- PROPERTIES PHYSICAL
2-1261
-- SPECTRA
2-1851
XENON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922
-- PROPERTIES NUCLEAR
1- 114
XENON XE-131
-- FORMATION OF
2-1402 2-1599
-- PROPERTIES NUCLEAR
2- 268 2-1303 2-1657
XENON XE-133
-- PROPERTIES NUCLEAR
2-1271
XENON XE-135
-- FORMATION OF
2-1989
-- PROPERTIES NUCLEAR
2-1670 2-1672
XENON XE-137
-- PROPERTIES NUCLEAR
2- 533
XYLENE
-- NEUTRON RETARDATION BY
1- 291
-- REAGENT FOR RESINS
2- 421
XYLENE P-ALPHA-ALPHA-TRIFLUORO
-- PROPERTIES CHEMICAL
2-2110

YEASTS
SEE ALSO ALGAE FUNGI AND PLANTS
-- EFFECTS OF RADIATION ON
2-1753
-- METABOLISM AND TOXICOLOGY STUDIES
1- 717 2- 49 2-1180 2-1151
YTTERBIUM
-- ATOMIC WEIGHT
2-1148
-- PROPERTIES NUCLEAR
2-2141
-- RADIATION ABSORPTION BY
1-1484
-- SPECTRA
1-1711
YTTERBIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1148
-- PROPERTIES NUCLEAR
2-2141

YTTERBIUM COMPOUNDS
-- YTTERBIUM CHLORIDE
1-1711
YTTRIUM
-- ANALYSIS
1- 202 1- 851 1-1939 2-312 2-1709
-- METABOLISM AND TOXICOLOGY
1- 15 1- 408 1- 43 1-1534 2- 407
2-1181 2-1326 3-1757
YTTRIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 117 1-1359
-- TRACER APPLICATIONS
1- 43 2-1326
-- USES IN SYNTHESIS
1- 60
YTTRIUM Y 88
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
2- 1
YTTRIUM Y 90
-- BIOLOGICAL EFFECTS
1- 40 1- 235
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1-1190
YTTRIUM Y 91
-- BIOLOGICAL EFFECTS
1- 15 1- 38 1- 416 1-1534
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
2-2043
-- TRACER APPLICATIONS
2-1863
YTTRIUM Y 94
-- PROPERTIES NUCLEAR
2-1129 2-1130
YTTRIUM COLLOIDS
-- PREPARATION
2-1859
YTTRIUM COMPOUNDS
-- YTTRIUM ACETYLACETONATE
1-1716
-- YTTRIUM FERROCYANIDE
1-1939

ZEUTO
-- CONSTRUCTION AND OPERATION
1- 946
ZINC
-- ANALYSIS
1- 913 1-1785
-- CROSS SECTION NEUTRON
2- 777 2-1974
-- METABOLISM STUDIES WITH ISOTOPES
2- 342
-- PROPERTIES NUCLEAR
2- 299
ZINC ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 956 2- 151 2- 757
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
1- 468
-- TRACER APPLICATIONS
1- 387 2-1160
ZINC ZN-62
-- PROPERTIES NUCLEAR
1-1008 1-1014
ZINC ZN-63
-- RADIOAUTOGRAPHIC USES
2- 304
ZINC ZN-65
-- PROPERTIES NUCLEAR
1-1150 2- 181 2-1245
-- TRACER APPLICATIONS
2- 342 2- 344
ZINC ZN-69
-- PROPERTIES NUCLEAR
1- 143
ZINC ALLOYS
-- ANALYSIS
1-1785
ZINC COMPOUNDS
-- ORGANIC DERIVATIVES
2- 76 2-1160
-- TOLUIDINE BLUE
1- 324 1- 536 1-1314 2- 710 2-1328
-- ZINC OXIDE
1-1545 1-1859 2-1420 2-1422 2-1974
-- ZINC SILICATES
2- 547 2-1422
-- ZINC SULFIDE
1- 89 1- 993 1-1653 2- 547 2- 811
2- 956 2-1250 2-1420 2-1422
ZINC ORES
-- DETECTION OF
1- 491

ZIRCONIUM
-- ANALYSIS
1- 283 1- 893 1-1204 1-1208 1-1393
1-1719 1-1788 1-1968 2- 420 2- 423
2-1595 2-2085
-- BIBLIOGRAPHY
1-1626
-- METABOLISM AND TOXICOLOGY
1- 43 1-1542 2-1181 2-1326 2-1757
-- OXIDATION AND REDUCTION STATES
1-1102 2-1345
-- PRODUCTION
1- 123 1- 788 1-1428 1-1623 1-1626
2-1345
-- PROPERTIES CHEMICAL
1- 926 2-1343 2-1345
-- PROPERTIES METALLURGICAL
1-1427 1-1428 1-1622 1-1626 2- 158
-- SEPARATION METHODS
1- 331 1-1781 2- 718 2-1345 2-1893
2-2089
-- SPECTRA
1-1048
ZIRCONIUM ISOTOPES
-- BIOLOGICAL EFFECTS
1- 38
-- CROSS SECTION NEUTRON
2-1385
-- PROPERTIES NUCLEAR
2-1129
-- TRACER APPLICATIONS
1- 43 2-1326
-- USES IN SYNTHESES
1- 60
ZIRCONIUM ZR 89
-- FORMATION OF
2-1617
ZIRCONIUM ZR 90
-- PROPERTIES NUCLEAR
2-1617
ZIRCONIUM ZR 95
-- PROPERTIES NUCLEAR
1- 331
-- TRACER APPLICATIONS
2-1343 2-1893
ZIRCONIUM ALLOYS
-- PRODUCTION
2- 164
-- PROPERTIES
1-1622 1-1626 1-1627
-- STRUCTURE CRYSTAL
2-1378
ZIRCONIUM COLLOIDS
-- PREPARATION
2-1859
ZIRCONIUM COMPOUNDS
-- ZIRCONIUM BORIDE
2-2130
-- ZIRCONIUM BROMIDE
1-1626
-- ZIRCONIUM CARBIDE
1- 926 2-2130
-- ZIRCONIUM CHLORIDE
1-1626 1-1788 2-1345
-- ZIRCONIUM CITRATE
1-1534 1-1542 2- 407
-- ZIRCONIUM DIOXIDE
1- 647 1- 910 1- 926 1-1393 1-1544
1-1546 1-1773 1-1780 1-1906 2- 53
2- 54 2-1185 2-2130
-- ZIRCONIUM GLUCONATE
1-1542
-- ZIRCONIUM HYDRIDE
1- 632 1-1626
-- ZIRCONIUM IODIDE
1-1626
-- ZIRCONIUM MANDELATE
1-1788
-- ZIRCONIUM NITRIDE
1-1626
-- ZIRCONIUM PERCHLORATES
2-1343 2-1345
-- ZIRCONIUM PHENYLARSONATE
2-2060
-- ZIRCONIUM PHOSPHATES
1-1526
-- ZIRCONIUM PHOSPHIDES
1-1626
-- ZIRCONIUM SILICATES
1- 131 1-1545 2- 54
-- ZIRCONIUM SULFIDES
1-1626
-- ZIRCONIUM SULPHATE
1-1788
-- ZIRCONIUM THENOYLTRIFLUOROACETONE
1-1102
ZIRCONIUM ORES
-- ANALYSIS CHEMICAL
1- 283
-- DETECTION OF
1-1596 1-1855
-- OCCURRENCE
1- 131

CUMULATIVE NUCLIDE INDEX

ACTINIUM
-- PROPERTIES NUCLEAR
2- 989
ACTINIUM ISOTOPES
-- TRACER APPLICATIONS
2-1332 2-1447
ACTINIUM AC-225
-- PROPERTIES NUCLEAR
1-1315
ACTINIUM AC-227
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
-- PROPERTIES NUCLEAR
1-1182
ACTINIUM AC-228
-- PROPERTIES NUCLEAR
2-2203
ALUMINUM
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 137 1-1631 2- 526 2- 527 2- 777
-- PROPERTIES NUCLEAR
1- 329 2- 687 2- 846 2-1620
-- RADIATION ABSORPTION BY
1- 685 1-1183 1-1191 1-1374 1-1482
1-1564 1-1565 2- 9 2- 90 2- 374
2- 375 2- 376 2- 383 2- 740 2-1165
2-1166 2-1363 2-1365 2-1500 2-1768
2-1911 2-2096
-- RADIATION SCATTERING BY
1- 401 1-1523 2- 386
-- RADIATION STOPPING BY
2-1885
ALUMINUM ISOTOPES
-- PROPERTIES NUCLEAR
1-1700
ALUMINUM AL-27
-- PROPERTIES NUCLEAR
1- 295 1- 814 2- 8 2- 14 2- 232
2- 255 2- 778 2-1094 2-1404 2-1972
-- SPECTRA
2- 232 2- 255
ALUMINUM AL-28
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143 1-1034 1-1154 1-1894 2-1620
AMERICIUM
-- FISSION OF
2- 351
AMERICIUM ISOTOPES
-- FORMATION OF
2-1477
-- RADIOGRAPHIC USES
1-1389
-- TRACER APPLICATIONS
1-1389
AMERICIUM AM 238
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960
AMERICIUM AM 239
-- FORMATION OF
1-1066
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960
AMERICIUM AM 240
-- PROPERTIES NUCLEAR
1-1960
AMERICIUM AM 241
-- FORMATION OF
1- 206
-- PROPERTIES NUCLEAR
1- 206 1- 878 1-1065 1-1066 1-1960
2-1475
AMERICIUM AM 242
-- FORMATION OF
2-1475
-- PROPERTIES NUCLEAR
1- 206 1-1066 1-1960 2-1475
AMERICIUM AM 243
-- PROPERTIES NUCLEAR
1-1960
ANTIMONY
-- PROPERTIES NUCLEAR
1-1007
ANTIMONY ISOTOPES
-- PROPERTIES NUCLEAR
2-1683 2-1837
-- TRACER APPLICATIONS
1-1061
ANTIMONY SB-120
-- FORMATION OF
1- 498
ANTIMONY SB-121
-- CROSS SECTION NEUTRON
1- 136 2-1404
ANTIMONY SB-122
-- CROSS SECTION NEUTRON
2-1800
ANTIMONY SB-124
-- PROPERTIES NUCLEAR
1- 331 1-1187 1-1706 2- 597 2-1827
ANTIMONY SB-125
-- PROPERTIES NUCLEAR
1-1703 2- 991
ANTIMONY SB-127
-- PROPERTIES NUCLEAR
2- 848
ANTIMONY SB-135
-- PROPERTIES NUCLEAR
2-1843
ARGON
-- CROSS SECTION NEUTRON
1- 144
-- RADIATION SCATTERING BY
1- 401 1-1754
ARGON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1593 2- 483
-- PROPERTIES NUCLEAR
1-1700
ARGON A-37
-- PROPERTIES NUCLEAR
1-1023 2-1811 2-1826
ARGON A-40
-- FORMATION OF
2-1790
-- PROPERTIES NUCLEAR
1- 841 1-1184 1-1410 2- 293 2- 571
2-1134
ARGON A-41
-- PROPERTIES NUCLEAR
2-1435 2-2199
ARSENIC
-- SPALLATION OF
2-2149
ARSENIC ISOTOPES
-- FORMATION OF
1- 470
ARSENIC AS-71
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-72
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-73
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-74
-- FORMATION OF
2-1617
-- PROPERTIES NUCLEAR
2- 298
ARSENIC AS-75
-- FORMATION OF
1-1431
-- PROPERTIES NUCLEAR
1- 170 2- 233 2-1617
ARSENIC AS-76
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- FORMATION OF
1- 40
-- PROPERTIES NUCLEAR
2- 290
-- THERAPEUTIC USES
1- 40
-- TRACER APPLICATIONS
1- 40 2-1026
ASTATINE ISOTOPES
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
2-1383

ASTATINE AT-210
-- FORMATION OF
2- 947
-- PROPERTIES NUCLEAR
2-1991
ASTATINE AT-211
-- FORMATION OF
2-1991
ASTATINE AT-216
-- PROPERTIES NUCLEAR
1- 192
ASTATINE AT-217
-- PROPERTIES NUCLEAR
1-8316

BARIUM
-- PROPERTIES NUCLEAR
2-1402
BARIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 114
BARIUM BA 130
-- CROSS SECTION NEUTRON
1- 136 2-1599 2-1600
-- PROPERTIES NUCLEAR
2-1599
BARIUM BA 131
-- PROPERTIES NUCLEAR
2-1540 2-1599
BARIUM BA 133
-- PROPERTIES NUCLEAR
1- 538
BARIUM BA 134
-- PROPERTIES NUCLEAR
2- 1 2- 233
BARIUM BA 137
-- PROPERTIES NUCLEAR
1- 689 1-1030 2- 996
BARIUM BA 139
-- CROSS SECTION NEUTRON
2-1966
-- FORMATION OF
2-1660
-- PROPERTIES NUCLEAR
1-1928
BARIUM BA 140
-- BIOLOGICAL EFFECTS
1- 38
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
2-1661 2-1662 2-1664 2-1860
BERYLLIUM
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 290 2- 527 2- 777 2-2144
-- PROPERTIES NUCLEAR
1- 329 1- 980 1-1435 2- 687 2- 939
2- 993 2-1618 2-2139
-- RADIATION ABSORPTION BY
1- 728 1-1234 2- 382 2-1165 2-1166
BERYLLIUM BE 7
-- FORMATION OF
2-1094 2-1392 2-1803
-- PROPERTIES NUCLEAR
1- 693 1- 987 1-1015 1-1028 1-1325
1-1487 1-1929 2- 844 2-1264 2-2196
-- STRUCTURE ATOMIC
1-1028 2- 844
-- TRACER APPLICATIONS
1- 606 1-1092 2-1327 2-1331
BERYLLIUM BE 8
-- PROPERTIES NUCLEAR
1-1486 1-1702 2-1392 2-2201
BERYLLIUM BE 9
-- CROSS SECTION ELECTRON
1-1485
-- CROSS SECTION PROTON
1- 223
-- PROPERTIES NUCLEAR
1- 223 1- 815 1-1445 1-1485 1-1486
2- 291 2- 296 2- 633 2-1231 2-1404
2-1972
BERYLLIUM BE-10
-- PROPERTIES NUCLEAR
1-1887 2- 942 2-1266 2-1267
BISMUTH
-- CROSS SECTION NEUTRON
1- 140 1- 979 2- 523 2-2142
-- FISSION OF
2-1613 2-1975
-- PROPERTIES NUCLEAR
2- 947 2-1991
-- RADIATION ABSORPTION BY
2- 373
-- RADIATION SCATTERING BY
1- 140
-- RADIATION STOPPING BY
2-1885
BISMUTH ISOTOPES
-- PROPERTIES NUCLEAR
2-1383

BISMUTH BI-209
-- CROSS SECTION DEUTERON
2- 384
-- PROPERTIES NUCLEAR
2-1404
BISMUTH BI-210
-- CROSS SECTION DEUTERON
2- 384
-- FORMATION OF
2-1991
-- PROPERTIES NUCLEAR
1-1158 1-1599 2- 619 2- 676 2-1142
2 1875
BISMUTH BI-212
-- PROPERTIES NUCLEAR
1-1926 2-1132 3-1440
BISMUTH BI-213
-- PROPERTIES NUCLEAR
1-1316
BISMUTH BI-214
-- PROPERTIES NUCLEAR
1- 686 1-1920 1-1925 2- 3 2- 623
BORON
-- PROPERTIES NUCLEAR
1- 329 2- 8 2-1384
-- RADIATION ABSORPTION BY
2-1165
BORON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1595
-- PROPERTIES NUCLEAR
2-2045
BORON B-10
-- CROSS SECTION ALPHA
1-1893
-- PROPERTIES NUCLEAR
1- 4 1- 510 1- 813 1- 999 1-1863
1-1890 2- 566 2- 942 2- 943 2-1135
2-1141
BORON B-11
-- CROSS SECTION ALPHA
1-1893
-- FORMATION OF
2- 174
-- PROPERTIES NUCLEAR
1- 295 1- 510 1-1013 1-1863 1-1890
1-1915 2- 565 2- 573 2- 812 2- 943
BORON B-12
-- PROPERTIES NUCLEAR
1-1915 2- 622
BROMINE
-- PROPERTIES NUCLEAR
1-1801 1-1892
BROMINE ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
2-1138
-- SEPARATION METHODS
1- 116 1-1135 2- 760
-- TRACER APPLICATIONS
1- 576 2- 874 2-1522 2-2058
-- USES IN SYNTHESIS
1- 925 1-1103
BROMINE BR-75
-- PROPERTIES NUCLEAR
1-1705
BROMINE BR-77
-- PROPERTIES NUCLEAR
1-1705
BROMINE BR-79
-- PROPERTIES NUCLEAR
1-1858 2- 432 2-1404
BROMINE BR-80
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 116 1-1705 1-1858 2-2022 2-2204
BROMINE BR-81
-- PROPERTIES NUCLEAR
2-1404
BROMINE BR-82
-- FORMATION OF
2-1677
-- PROPERTIES NUCLEAR
1-1187
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
2- 671 2-1031
BROMINE BR-85
-- PROPERTIES NUCLEAR
2-1000
BROMINE BR-87
-- PROPERTIES NUCLEAR
2-1000
BROMINE BR-88
-- PROPERTIES NUCLEAR
2-1000

CADMIUM ISOTOPES
-- PROPERTIES NUCLEAR
2- 285

CADMIUM ISOTOPES
-- SEPARATION METHODS
2- 525
CADMIUM CD-115
-- PROPERTIES NUCLEAR
2-1198 2-1382
CADMIUM CD-117
-- PROPERTIES NUCLEAR
1- 143
CALCIUM
-- CROSS SECTION NEUTRON
2-1974 2-2144
CALCIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 64
-- TRACER APPLICATIONS
1- 580 2- 572
CALCIUM CA-40
-- PROPERTIES NUCLEAR
1- 795 2-1404
CALCIUM CA-45
-- DOSAGE DETERMINATION
2-2040
-- RADIOAUTOGRAPHIC USES
2-2040
-- THERAPEUTIC USES
1- 560 2-2040
-- TRACER APPLICATIONS
2-1130 2-1461 2-1770 2-1854
CARBON
-- CROSS SECTION NEUTRON
1- 740 1- 989 1-1631 2- 525 2- 527
2- 777 2-1393
-- PROPERTIES NUCLEAR
2- 913 2-1799
-- RADIATION ABSORPTION BY
1- 728 1-1176 1-1374 2- 108 2- 375
2- 743 2-1165 2-1365 2-1913
-- RADIATION SCATTERING BY
1- 401 2- 386
-- RADIATION STOPPING BY
2-1171
CARBON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2- 756
-- TRACER APPLICATIONS
1-1051 2- 340 2-1155
-- USES IN SYNTHESES
2- 340 2-1764
CARBON C-10
-- PROPERTIES NUCLEAR
1-1687 2- 942 2-1141
CARBON C-11
-- FORMATION OF
1- 498
-- PROPERTIES NUCLEAR
1-1307
-- TRACER APPLICATIONS
1- 582 2- 671
CARBON C-12
-- CROSS SECTION GAMMA
1-1695
-- CROSS SECTION PROTON
2- 572
-- PROPERTIES NUCLEAR
1- 295 1-1035 1-1307 1-1308 1-1323
1-1432 1-1433 1-1695 2- 8 2- 572
2-1285 2-1404 2-1618 2-1972 2-2071
-- USES IN SYNTHESIS
1- 66
CARBON C-13
-- FORMATION OF
1- 63 1-1841
-- PROPERTIES NUCLEAR
1- 295 1- 998 1-1323 1-1453 2-1399
2-1972
-- TRACER APPLICATIONS
1- 369 1- 865 2- 872 2- 875
-- USES IN SYNTHESIS
1- 259 1-1554 2- 920
CARBON C-14
-- BIOLOGICAL EFFECTS
1- 416 2- 35 2- 397
-- FORMATION OF
1- 62 1- 302 1- 469 2- 74 2- 174
2-1401
-- PROPERTIES NUCLEAR
1- 40 1- 199 1- 224 1- 540 1- 795
1- 998 1-1193 1-1233 1-1321 1-1322
1-1453 1-1598 1-1878 1-1971 2- 618
2- 783 2-1106 2-1372
-- RADIOAUTOGRAPHIC USES
1- 326 1-1195 2- 303
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
1- 59 1- 252 1- 372 1- 373 1- 377
1- 379 1- 394 1- 396 1- 582 1- 774
1- 861 1- 869 1-1054 1-1055 1-1213
1-1214 1-1215 1-1216 1-1217 1-1393
1-1394 1-1733 1-1792 2- 665 2- 667
2- 669 2- 671 2- 674 2- 678 2- 883
2- 901 2-1019 2-1020 2-1021 2-1022
2-1023 2-1024 2-1182 2-1283 2-1456
2-1457 2-1458 2-1459 2-1462 2-1464
2-1465 2-1732 2-1852 2-1858 2-1862
CARBON C-14
-- TRACER APPLICATIONS
2-1950 2-2045 2-2049 2-2050 2-2230
2-2236
-- USES IN SYNTHESES
1- 61 1- 64 1- 66 1- 252 1- 259
1- 433 1- 618 1- 623 1- 759 1- 760
1- 823 1-1393 1-1396 1-1397 1-1789
1-1792 2- 74 2- 75 2- 457 2- 907
2- 908 2- 909 2- 910 2-1015 2-1341
2-1344 2-1345 2-1546 2-1761 2-1762
2-2091 2-2093 2-2094
CERIUM
-- PROPERTIES NUCLEAR
1- 704
CERIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 704
-- PROPERTIES NUCLEAR
1-1715
-- TRACER APPLICATIONS
2-1326
CERIUM CE 135
-- PROPERTIES NUCLEAR
1- 703 1-1042
CERIUM CE 137
-- PROPERTIES NUCLEAR
1- 703 1-1042 1-1203
CERIUM CE 139
-- PROPERTIES NUCLEAR
1- 703 1-1042
CERIUM CE 140
-- CROSS SECTION NEUTRON
1- 975 2-2137
CERIUM CE 141
-- FORMATION OF
1-1203
-- PROPERTIES NUCLEAR
2- 284
CERIUM CE 142
-- CROSS SECTION NEUTRON
1- 975 2-2137
CERIUM CE 143
-- FORMATION OF
1-1203 2-1566 2-1878
CERIUM CE 144
-- BIOLOGICAL EFFECTS
1- 416
CESIUM
-- PROPERTIES NUCLEAR
1-1504
CESIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 114 2-1659
CESIUM CS 131
-- FORMATION OF
1- 469 2-1402 2-1540
-- PROPERTIES NUCLEAR
2-1402 2-1599
CESIUM CS 133
-- PROPERTIES NUCLEAR
1- 538 1-1042 1-1715 2-1231
CESIUM CS 134
-- PROPERTIES NUCLEAR
1-1442 2- 1 2- 7
CESIUM CS 135
-- PROPERTIES NUCLEAR
2-1658
CESIUM CS 137
-- PROPERTIES NUCLEAR
1- 689 1- 691 1-1030 2- 255 2- 996
2-2200
CHLORINE
-- CROSS SECTION NEUTRON
2- 777
-- RADIATION STOPPING BY
2-1171
CHLORINE CL-34
-- FORMATION OF
2-1968
CHLORINE CL-35
-- USES IN SYNTHESES
2- 331 2- 591
CHLORINE CL-36
-- PROPERTIES NUCLEAR
2-1272
CHLORINE CL-37
-- PROPERTIES NUCLEAR
1- 295
-- USES IN SYNTHESES
2- 331 2- 591
CHLORINE CL-38
-- PROPERTIES NUCLEAR
1-1187
CHROMIUM
-- CROSS SECTION NEUTRON
2- 526
-- PROPERTIES NUCLEAR
2-1814
CHROMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- CROSS SECTION NEUTRON
2-1385
-- TRACER APPLICATIONS
2-1159

CHROMIUM CR-51
-- PROPERTIES NUCLEAR
1-1325
COBALT ISOTOPES
-- FORMATION OF
1- 470
-- THERAPEUTIC USES
1- 345
-- TRACER APPLICATIONS
1- 387 2- 879 2-1153
COBALT CO 59
-- CROSS SECTION DEUTERON
1-1696
-- PROPERTIES NUCLEAR
2-1972
COBALT CO 60
-- PROPERTIES NUCLEAR
1-1150 1-1187 1-1442 2- 1 2- 7
2- 181 2- 624 2-1157 2-1245 2-2032
-- RADIOGRAPHIC USES
1-1515 2-1955
-- THERAPEUTIC USES
1- 560 2-1003
-- TRACER APPLICATIONS
2-1467 2-1469
COBALT CO 61
-- PROPERTIES NUCLEAR
2-1441
COBALT CO 62
-- PROPERTIES NUCLEAR
2-1441
COBALT CO 64
-- PROPERTIES NUCLEAR
2-1441
COLUMBIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1129
-- TRACER APPLICATIONS
1- 43
-- USES IN SYNTHESES
1- 60
COLUMBIUM CB 93
-- CROSS SECTION NEUTRON
2-2143
-- PROPERTIES NUCLEAR
2- 233
COLUMBIUM CB 95
-- PROPERTIES NUCLEAR
1-1706 2- 999
COPPER
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
2- 527 2- 777 2-1385
-- PROPERTIES NUCLEAR
1-1006 1-1014 2- 687
-- RADIATION ABSORPTION BY
1- 728 1-1974 2- 373 2- 375 2- 376
2-1165 2-1166
-- RADIATION STOPPING BY
2-1685
COPPER ISOTOPES
-- TRACER APPLICATIONS
1- 387 1- 577 2-1032 2-1153
COPPER CU 61
-- PROPERTIES NUCLEAR
1- 696
COPPER CU 62
-- FORMATION OF
1- 428 2-1595
COPPER CU 63
-- CROSS SECTION DEUTERON
1-1696
-- CROSS SECTION GAMMA
1-1483 1-1595
-- CROSS SECTION NEUTRON
2-1598
-- ISOTOPIC SEPARATION
1- 960
-- PROPERTIES NUCLEAR
1-1463 2-1404
COPPER CU 64
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 143 1-1033 1-1325 1-1699 1-1863
2- 216 2- 282 2- 617 2- 967 2-1142
2-1437 2-2021 2-2207
-- TRACER APPLICATIONS
1- 713 2- 344
COPPER CU 65
-- PROPERTIES NUCLEAR
2-1404
COPPER CU 66
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143
CURIUM
-- PROPERTIES NUCLEAR
2- 351
CURIUM ISOTOPES
-- FORMATION OF
1- 470
CURIUM CM 238
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 239
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 240
-- FORMATION OF
1-1065
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960
CURIUM CM 241
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960
CURIUM CM 242
-- FORMATION OF
1- 478 1-1065
-- PROPERTIES NUCLEAR
1-1065 1-1068 1-1960 2-1475
CURIUM CM 243
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 244
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 245
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 246
-- PROPERTIES NUCLEAR
1-1960
CURIUM CM 247
-- PROPERTIES NUCLEAR
1-1960

DEUTERIUM
SEE ALSO HYDROGEN AND TRITIUM
-- ANALYSIS
1- 264 2-1369
-- CROSS SECTION DEUTERON
1- 263 2- 948 2-1619
-- CROSS SECTION NEUTRON
1-1633 2- 777 2-1394
-- CROSS SECTION TRITON
1-1010 1-1160
-- DIFFUSION PUMP FOR
2- 277
-- EFFECTS OF RADIATION ON
2- 167 2-1395
-- FISSION PRODUCTS STOPPING BY
1-1632
-- PROPERTIES NUCLEAR
1-1435 2- 169 2- 173 2- 229 2- 378
2- 470 2- 936 2- 893 2-1045 2-1074
2-1404 2-1519 2-1987
-- PROPERTIES PHYSICAL
1- 188 2-1261
-- RADIATION SCATTERING BY
1- 401
-- SPECTRA
1-1343
-- TRACER APPLICATIONS
1-1052 1-1211 2-1294 2-1465
DYSPROSIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1333 2- 653 2-1721
-- PROPERTIES NUCLEAR
1-1941
DYSPROSIUM DY-165
-- CROSS SECTION NEUTRON
1- 136

ELEMENTS HEAVY
-- CROSS SECTION NEUTRON
2-2143
-- PROPERTIES NUCLEAR
2- 630 2-1133 2-1273 2-2197 2-2206
ERBIUM
-- CROSS SECTION NEUTRON
2- 166
-- PROPERTIES NUCLEAR
2-2141
EUROPIUM
-- PROPERTIES NUCLEAR
1- 543 1-1043 2-1438
EUROPIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1498
-- PROPERTIES NUCLEAR
1- 854
EUROPIUM EU-152
-- PROPERTIES NUCLEAR
1-1701
EUROPIUM EU-153
-- PROPERTIES NUCLEAR
2-1972
EUROPIUM EU-154
-- PROPERTIES NUCLEAR
1- 543 1-1701
-- TRACER APPLICATIONS
2-2081
EUROPIUM EU-155
-- PROPERTIES NUCLEAR
1- 852 2- 647
FLUORINE
-- CROSS SECTION NEUTRON
1-1631 2-1393

FLUORINE
-- PROPERTIES NUCLEAR
1- 329 1- 402 1- 838 2- 531 2-1971
-- RADIATION STOPPING BY
2-1171
FLUORINE F-17
-- FORMATION OF
2- 568
FLUORINE F-18
-- FORMATION OF
1- 498 2-1868
-- PROPERTIES NUCLEAR
1- 836 1-1186 1-1932
FLUORINE F-19
-- PROPERTIES NUCLEAR
1- 295 2- 13 2- 645 2-1093 2-1399
2-1918
FRANCIUM FA-221
-- PROPERTIES NUCLEAR
1-1316

GADOLINIUM
-- PROPERTIES NUCLEAR
1-1202
GADOLINIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 958 1-1498
-- PROPERTIES NUCLEAR
1- 854
GADOLINIUM GD-152
-- PROPERTIES NUCLEAR
1-1202
GADOLINIUM GD-153
-- PROPERTIES NUCLEAR
1- 543
GADOLINIUM GD-159
-- PROPERTIES NUCLEAR
2-2209
GADOLINIUM GD-161
-- PROPERTIES NUCLEAR
2-2209
GALLIUM
-- PROPERTIES NUCLEAR
2- 299
GALLIUM GA-68
-- PROPERTIES NUCLEAR
2-1814
GALLIUM GA-70
-- PROPERTIES NUCLEAR
1-1029
GALLIUM GA-72
-- PROPERTIES NUCLEAR
1- 327 1-1029 1-1927 2- 167
GALLIUM GA-76
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM
-- PROPERTIES NUCLEAR
2- 298 2- 299
GERMANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 147 2-1212
GERMANIUM GE 69
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 70
-- PROPERTIES NUCLEAR
1- 326 2- 298 2-1814
GERMANIUM GE 71
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 75
-- PROPERTIES NUCLEAR
2- 299
GERMANIUM GE 76
-- PROPERTIES NUCLEAR
2- 299
GOLD
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2- 687 2-1269 2-1438 2-2027 2-2028
-- RADIATION ABSORPTION BY
2- 383 2-1200 2-1500
-- RADIATION SCATTERING BY
2-1750
GOLD ISOTOPES
-- PROPERTIES NUCLEAR
1-1644
GOLD AU-194
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-195
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-196
-- PROPERTIES NUCLEAR
1-1477
GOLD AU-197
-- PROPERTIES NUCLEAR
1-1478 1-1563

GOLD AU-198
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 6 1- 143 1- 837 1-1158 1-1877
1-1924 1-1927 2-1268 2-1693 2-1694
2-1840 2-1887
-- THERAPEUTIC USES
1- 351 1- 700
GOLD AU-199
-- PROPERTIES NUCLEAR
1-1191

HAFNIUM
-- CROSS SECTION NEUTRON
2- 166
HAFNIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 467
HAFNIUM HF-175
-- FORMATION OF
2- 992
-- PROPERTIES NUCLEAR
2- 992 2-1591
HAFNIUM HF-181
-- PROPERTIES NUCLEAR
1- 107 1- 325 2- 286 2- 287 2-1139
2-1140
HAFNIUM HF-184
-- RADIATION ABSORPTION BY
1-1484
HELIUM
-- PROPERTIES NUCLEAR
2- 869
-- RADIATION ABSORPTION BY
2-1165
-- RADIATION SCATTERING BY
1- 401
HELIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 955 2- 498 2-2124
-- SEPARATION METHODS
1-1607 1-1608
HELIUM HE 3
-- CROSS SECTION DEUTERON
1- 978 1-1006
-- CROSS SECTION NEUTRON
1-1167 2-1388 2-2145
-- DIFFUSION AND SCATTERING
2- 378 2- 893 2-1045
-- FORMATION OF
2- 247 2- 948 2-1392 2-1403 2-1616
2-1619 2-2151 2-2152
-- ISOTOPIC SEPARATION
1-1607 1-1608 1-1660 2- 247 2- 759
-- PROPERTIES NUCLEAR
1-1004 1-1011 1-1024 1-1856 2- 229
2- 751 2-1093 2-1977 2-1981
-- PROPERTIES PHYSICAL
1-1163 2- 247 2-1624 2-1629 2-1996
2-1997
-- SPECTRA
1-1503 1-1731
-- SPIN AND MOMENT
2- 231
HELIUM HE 4
-- PROPERTIES NUCLEAR
1- 667 2- 751
-- PROPERTIES PHYSICAL
1-1163 2-1524 2-1997
-- RADIATION SCATTERING BY
2-2068
-- SPECTRA
1-1503
HELIUM HE 5
-- PROPERTIES NUCLEAR
1- 667
HELIUM HE 6
1-1690 2- 986 2-1186 2-1932
HOLMIUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 638
HOLMIUM HO-161
-- PROPERTIES NUCLEAR
1-1277
HOLMIUM HO-162
-- PROPERTIES NUCLEAR
1-1277
HOLMIUM HO-164
-- PROPERTIES NUCLEAR
1-1277
HOLMIUM HO-166
-- PROPERTIES NUCLEAR
2-2221
HYDROGEN
-- CROSS SECTION NEUTRON
1- 740 1- 989 2- 777
-- PROPERTIES NUCLEAR
1- 7 1-1464 1-1465 1-1675 2- 175
2- 323 2-1312
-- RADIATION ABSORPTION BY
1-1374 2-1050 2-1165 2-1606

HYDROGEN
-- RADIATION SCATTERING BY
1-1081 2-1169
-- RADIATION STOPPING BY
2-1171

INDIUM
-- CROSS SECTION NEUTRON
1-1640
INDIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1594
-- PROPERTIES NUCLEAR
2- 285
INDIUM IN 111
-- PROPERTIES NUCLEAR
2-1689
INDIUM IN 115
-- CROSS SECTION NEUTRON
2- 936
-- PROPERTIES NUCLEAR
2-1093 2-1139 2-1269 2-1612 2-1972
INDIUM IN 116
-- CROSS SECTION NEUTRON
1- 136 2-1800
IODINE
-- RADIATION STOPPING BY
2-1171
IODINE ISOTOPES
-- FORMATION OF
1- 67 1- 470
-- PROPERTIES NUCLEAR
1- 114
-- RADIOGRAPHIC USES
1- 845
-- THERAPEUTIC USES
1-1039 1-1199 2- 309 2- 664
-- TRACER APPLICATIONS
1-1051 1-1957 2- 309 2-1521
-- USES IN SYNTHESES
2- 722
IODINE I-126
-- FORMATION OF
2-1617
IODINE I-127
-- CROSS SECTION NEUTRON
2- 936
-- PROPERTIES NUCLEAR
2- 233 2-1404 2-1617 2-1972
IODINE I-128
-- CROSS SECTION NEUTRON
1- 136 2-1800
IODINE I-130
-- THERAPEUTIC USES
1- 354 1- 845 1-1937
IODINE I-131
-- ANALYSIS RADIOMETRIC
1- 918
-- BIOLOGICAL EFFECTS
1- 30 1- 246 1- 416 1-1350 2- 37
2- 41 2- 403
-- DIAGNOSTIC USES
1- 355 1- 875 1-1063 1-1512 1-1738
1-1934 2- 343 2- 876
-- DOSAGE DETERMINATIONS
2-2232
-- FORMATION OF
1- 62 1- 469 2-1536
-- PROPERTIES NUCLEAR
1- 996 2- 288 2- 597 2- 808 2- 842
2-1667 2-1670 2-2205
-- RADIOAUTOGRAPHIC USES
1- 337 1- 339 1- 355 1- 698 1-1358
1-1489 2- 37
-- THERAPEUTIC USES
1- 355 1- 556 1- 557 1- 845 1- 847
1- 849 1-1040 1-1329 1-1330 1-1493
1-1934 1-1935 1-1936 1-1937 2- 646
2-1007 2-1278 2-2053 2-2217 2-2219
2-2233
-- TRACER APPLICATIONS
1- 376 1- 385 1- 552 1- 710 1- 711
1- 712 1- 714 1- 870 1- 875 1-1056
1-1063 1-1329 1-1350 1-1351 1-1355
1-1358 1-1507 1-1512 1-1735 1-1736
1-1737 1-1738 1-1739 1-1740 1-1936
2- 335 2- 337 2- 404 2- 671 2- 877
2-1029 2-1151 2-1157 2-1278 2-1295
2-1298 2-2228 2-2232 2-2233
-- USES IN SYNTHESES
2-1545
IODINE I-132
-- PROPERTIES NUCLEAR
2-1669
IODINE I-133
-- PROPERTIES NUCLEAR
2-1670
IODINE I-134
-- PROPERTIES NUCLEAR
1-1359
IODINE I-135
-- PROPERTIES NUCLEAR
2-1670 2-1671 2-1969
IODINE I-136
-- PROPERTIES NUCLEAR
1- 692
IODINE I-137
-- PROPERTIES NUCLEAR
2-1000
IODINE I-138
-- PROPERTIES NUCLEAR
2-1000
IODINE I-139
-- PROPERTIES NUCLEAR
2-1000
IONIUM
SEE THORIUM TH-230
IRIDIUM
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2-1438 2-1972 2-2027
IRIDIUM ISOTOPES
-- FORMATION OF
1- 670
IRIDIUM IR-192
-- PROPERTIES NUCLEAR
1- 157 1- 885 1-1698
IRIDIUM IR-194
-- PROPERTIES NUCLEAR
1- 331
IRON
-- CROSS SECTION NEUTRON
1- 140 1- 141 1- 656 1- 657 2- 526
-- PROPERTIES NUCLEAR
2-1814
-- RADIATION ASSORPTION BY
1- 441 1- 443 1-1403 2- 376 2- 457
2-1069 2-1188 2-1363 2-1365 2-1908
2-2096
-- RADIATION SCATTERING BY
1- 140 1-1637 2-1390 2-1973
IRON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 757
-- TRACER APPLICATIONS
1- 871 1-1051 1-1057 2-1860
IRON FE-52
-- PROPERTIES NUCLEAR
1-1008 1-1014
IRON FE-54
-- PROPERTIES NUCLEAR
2-1404
IRON FE-55
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
1-1871
-- TRACER APPLICATIONS
1- 380 2- 336
IRON FE-57
-- PROPERTIES NUCLEAR
1-1153
IRON FE-59
-- FORMATION OF
1- 469 1- 470
-- THERAPEUTIC USES
1- 472
-- TRACER APPLICATIONS
1- 350 1- 380 1- 387 1- 388 1- 390
2- 671 2-1467
ISOTOPES
SEE ALSO SPECIFIC ISOTOPES LISTED BY
MASS NUMBER UNDER SPECIFIC ELEMENTS
SUCH AS CARBON C-14 ETC
-- ABUNDANCE AND DISTRIBUTION
1- 138 1- 471 1-1165 1-1376 1-1755
1-1639 1-1640 2- 15 2- 16 2- 155
2- 390 2- 497 2- 499 2- 500 2- 921
2- 922 2-1214 2-1215 2-1376 2-1579
2-1954 2-1956 2-1976
-- ANALYSIS
1- 54 1- 275 1- 278 1- 462 1- 471
2-1333 2-1334 2-1646 2-1647 2-1579
2-1731
-- AVAILABILITY
1- 361 1- 362 1- 644 1- 672 1- 780
1- 957 1-1717 1-1837 1-1946 2- 148
2- 152
-- BIOLOGICAL EFFECTS
1- 19 1- 35 1- 254 1- 404 1-1116
1-1761 1-1763
-- CROSS SECTION GAMMA
1-1483 2- 530 2- 535
-- DIAGNOSTIC USES
1-1199 2- 670
-- DOSAGE DETERMINATIONS
2- 645 2-1280 2-1795
-- HANDLING AND TRANSPORTATION
1- 111 1- 278 1- 751 2- 488 2-2112
2-2224
-- METABOLISM AND TOXICOLOGY
1- 416 1- 424 1-1116 2-1161
-- PRODUCTION
1- 111 1- 170 1- 228 1- 343 1- 365
1- 469 1- 470 1- 472 1- 557 1- 600
1- 959 1-1007 1-1008 1-1014 1-1016

ISOTOPES
-- PRODUCTION
1-1348 1-1405 1-1837 2- 501 2- 755
2- 758 2-1318 2-1334 2-1809 2-1955
-- PROPERTIES CHEMICAL
2- 919
-- PROPERTIES NUCLEAR
1- 138 1- 152 1- 170 1- 468 1- 652
1- 803 1- 809 1-1165 1-1298 1-1559
1-1704 1-1837 1-1838 1-1857 1-1915
2- 341 2- 782 2- 822 2- 923 2- 937
2- 949 2- 994 2-1022 2-1215 2-1232
2-1245 2-1312 2-1818 2-1976 2-2159
-- PROPERTIES PHYSICAL
1- 179 1- 468
-- RADIOAUTOGRAPHIC USES
1- 335 1- 337 1- 339 1- 549 1- 550
1- 464 1-1968 2- 304 2-1002 2-2053
-- SEPARATION METHODS
1-1348 2- 501 2- 927
-- SPECTRA
1- 799 2- 660
-- STRUCTURE ATOMIC
1- 499
-- TABLES
1- 465 1- 643 1-1277 1-1838 2- 228
2-1215
-- THERAPEUTIC USES
1- 342 1- 343 1- 347 1- 349 1- 370
1- 371 1- 378 1- 468 1- 472 1- 473
1- 553 1- 554 1- 557 1- 559 1- 701
1- 844 1- 864 1-1278 1-1331 1-1495
1-1741 2- 341 2- 345 2- 644 2- 645
2- 656 2- 658 2- 866 2- 873 2- 881
2-1156 2-1280 2-1448 2-1452 2-2053
2-2214
-- TRACER APPLICATIONS
1- 276 1- 342 1- 343 1- 361 1- 362
1- 364 1- 365 1- 366 1- 370 1- 371
1- 381 1- 386 1- 468 1- 472 1- 557
1- 559 1- 570 1- 571 1- 572 1- 578
1- 579 1- 583 1- 672 1- 701 1- 716
1- 830 1- 844 1- 864 1- 865 1- 872
1- 965 1-1051 1-1053 1-1278 1-1331
1-1348 1-1352 1-1356 1-1511 1-1741
2- 334 2- 341 2- 345 2- 347 2- 349
2- 642 2- 644 2- 670 2- 671 2- 672
2- 675 2- 755 2- 758 2- 797 2- 866
2- 872 2- 873 2- 880 2- 881 2- 885
2- 886 2- 887 2- 956 2-1030 2-1097
2-1154 2-1156 2-1174 2-1181 2-1241
2-1452 2-1503 2-1728 2-1731 2-1733
2-1734 2-1735 2-1955 2-2053 2-2055
2-2057 2-2238
-- USES IN SYNTHESES
2- 501 2- 723

KRYPTON ISOTOPES
-- PROPERTIES NUCLEAR
1- 114 1- 117
KRYPTON KR-77
-- FORMATION OF
1-1482
-- PROPERTIES NUCLEAR
1-1482
KRYPTON KR-79
-- FORMATION OF
1-1482
-- PROPERTIES NUCLEAR
1-1482
KRYPTON KR-85
-- FORMATION OF
1-1482
KRYPTON KR-87
-- CROSS SECTION NEUTRON
2-1964
-- PROPERTIES NUCLEAR
2- 533

LANTHANUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 704
-- PROPERTIES NUCLEAR
1- 854 1-1715
-- TRACER APPLICATIONS
1- 43
-- USES IN SYNTHESES
1- 60
LANTHANUM LA 135
-- PROPERTIES NUCLEAR
1- 703 1-1042
LANTHANUM LA 136
-- PROPERTIES NUCLEAR
1- 703
LANTHANUM LA 137
-- FORMATION OF
2-1617
-- PROPERTIES NUCLEAR
1- 703 1-1042 1-1203
LANTHANUM LA 138
-- PROPERTIES NUCLEAR
2-1617
LANTHANUM LA 139
-- PROPERTIES NUCLEAR
1-1042 1-1928

LANTHANUM LA 140
-- BIOLOGICAL EFFECTS
1- 38
-- CROSS SECTION NEUTRON
1- 975 2-2137
-- FORMATION OF
2-1665
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1- 331 2-1563 2-1654 2-1673
-- RADIOGRAPHIC USES
1-1328
LANTHANUM LA 143
-- PROPERTIES NUCLEAR
2-1666 2-1878
LEAD
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
1- 140 1- 979 2- 527 2- 777 2-1596
2-2143
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2- 646
-- RADIATION ABSORPTION BY
1- 5 1- 73 1- 79 1- 440 1- 441
1- 442 1- 443 1- 728 1- 766 1- 886
1- 931 1-1105 1-1107 1-1374 1-1400
1-1401 1-1562 1-1564 1-1565 1-1568
1-1567 1-1568 1-1709 2- 3 2- 106
2- 111 2- 114 2- 375 2- 376 2- 379
2- 740 2- 742 2- 743 2- 915 2-1165
2-1166 2-1188 2-1200 2-1202 2-1239
2-1363 2-1365 2-1550 2-1558 2-1567
2-1769 2-1908 2-1909 2-1910 2-1911
2-1912 2-1913 2-1914 2-2096 2-2102
-- RADIATION SCATTERING BY
1- 140 1-1523 2-1973
LEAD ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 481 2-1791 2-2073 2-2123
-- PROPERTIES NUCLEAR
2-1383
LEAD PB-209
-- PROPERTIES NUCLEAR
1-1316
LEAD PB-210
-- PROPERTIES NUCLEAR
1- 330 1-1189 2- 967 2-1132
LEAD PB-212
-- PROPERTIES NUCLEAR
2- 550 2-1132 2-1440
LEAD PB-214
-- PROPERTIES NUCLEAR
2- 623
LITHIUM
-- CROSS SECTION NEUTRON
1-1636 2- 777
-- PROPERTIES NUCLEAR
1- 5 1- 329 1- 838 1-1702 2-1264
2-2153
-- RADIATION ABSORPTION BY
2-1165
LITHIUM ISOTOPES
-- SEPARATION METHODS
2- 153 2- 154
LITHIUM LI-6
-- ABSORPTION
2- 383
-- CROSS SECTION NEUTRON
1-1636
-- PROPERTIES NUCLEAR
1- 520 1- 693 1- 815 1- 884 1-1441
1-1487 1-1863 2- 201 2-1392 2-1600
2-1611 2-1618 2-1968
-- SPECTRA
1-1732
LITHIUM LI-7
-- CROSS SECTION NEUTRON
1-1636
-- CROSS SECTION PROTON
1-1015
-- FORMATION OF
1- 4 1-1929 2-1175 2-2196
-- PROPERTIES NUCLEAR
1- 295 2- 520 2- 813 2- 884 2- 987
1-1663 2- 201 2- 566 2- 629 2- 993
2-1094 2-1135 2-1392 2-1404 2-1497
2-1611 2-1803 2-1972
-- SPECTRA
1-1732
LITHIUM LI-8
-- FORMATION OF
1-1013
-- PROPERTIES NUCLEAR
1- 167 2- 622
LUTECIUM
-- PROPERTIES NUCLEAR
2- 992
LUTECIUM ISOTOPES
-- PROPERTIES NUCLEAR
2- 638
LUTECIUM LU-170
-- PROPERTIES NUCLEAR
1-1277

LUTECIUM LU-171
-- PROPERTIES NUCLEAR
1-1277
LUTECIUM LU-172
-- PROPERTIES NUCLEAR
1-1277

MAGNESIUM
-- CROSS SECTION ALPHA
1- 288
-- CROSS SECTION NEUTRON
1-1631 2- 777 2-1393
-- PROPERTIES NUCLEAR
1- 329 2- 8 2- 846
-- RADIATION ABSORPTION BY
2- 90 2-2107
-- RADIATION SCATTERING BY
1-1523
MAGNESIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 149
-- PROPERTIES NUCLEAR
1-1700
MAGNESIUM MG 24
-- CROSS SECTION DEUTERON
1- 812
-- PROPERTIES NUCLEAR
1- 814 1-1524 2- 1 2- 14 2-1404
2-1499
MAGNESIUM MG 25
-- PROPERTIES NUCLEAR
1- 295 1- 814 1-1694 2-1404 2-1820
MAGNESIUM MG 26
-- CROSS SECTION DEUTERON
1- 812
-- PROPERTIES NUCLEAR
1- 295 1- 814 2-1404
MAGNESIUM MG 27
-- PROPERTIES NUCLEAR
1-1034
MANGANESE
-- CROSS SECTION NEUTRON
2- 525 2-1085
MANGANESE ISOTOPES
-- FORMATION OF
1- 470
-- TRACER APPLICATIONS
1- 387 1-1059 2- 879
MANGANESE MN 52
-- PROPERTIES NUCLEAR
1- 225
MANGANESE MN 55
-- PROPERTIES NUCLEAR
2-1972
MANGANESE MN 56
-- CROSS SECTION NEUTRON
1- 136 2-1800
MERCURY
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2- 233
-- RADIATION ABSORPTION BY
2-1200
-- RADIATION SCATTERING BY
1-1523
MERCURY ISOTOPES
-- FORMATION OF
1- 470
-- SPECTRA
2-1292
MERCURY HG-203
-- PROPERTIES NUCLEAR
1- 688 1-1474 2-1131
-- TRACER APPLICATIONS
2-1468
MESOTHORIUM I
SEE RADIUM RA 228
MESOTHORIUM II
SEE ACTINIUM AC-228
MOLYBDENUM
-- CROSS SECTION DEUTERON
2- 640
-- CROSS SECTION PROTON
2- 640
-- PROPERTIES NUCLEAR
1- 544 1- 834 1-1506 2- 574
-- RADIATION ABSORPTION BY
1- 728
MOLYBDENUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 305
MOLYBDENUM MO-92
-- PROPERTIES NUCLEAR
2- 639
MOLYBDENUM MO-93
-- TRACER APPLICATIONS
1-1958
MOLYBDENUM MO-94
-- PROPERTIES NUCLEAR
1- 299 2- 640
MOLYBDENUM MO-95
-- PROPERTIES NUCLEAR
1- 299 1- 300 2- 640
MOLYBDENUM MO-96
-- PROPERTIES NUCLEAR
1- 300 2- 640
MOLYBDENUM MO-97
-- PROPERTIES NUCLEAR
1- 300
MOLYBDENUM MO-98
-- PROPERTIES NUCLEAR
1- 299
MOLYBDENUM MO-99
-- TRACER APPLICATIONS
1-1958 2- 344

NEODYMIUM
-- PROPERTIES NUCLEAR
2-1675
NEODYMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 706 2-1015
-- FORMATION OF
2-1675 2-2220
-- PROPERTIES NUCLEAR
1- 854
NEODYMIUM ND 140
-- PROPERTIES NUCLEAR
2-1449
NEODYMIUM ND 141
-- PROPERTIES NUCLEAR
2-1449
NEODYMIUM ND 143
-- CROSS SECTION NEUTRON
2-1087
NEODYMIUM ND 147
-- PROPERTIES NUCLEAR
2-1674
NEON
-- PROPERTIES NUCLEAR
1- 402 2- 571
-- RADIATION SCATTERING BY
1- 401
NEON NE-20
-- FORMATION OF
2- 13
-- PROPERTIES NUCLEAR
2- 14
NEON NE-22
-- PROPERTIES NUCLEAR
2- 568
NEON NE-23
-- FORMATION OF
2- 568
NEPTUNIUM
-- FISSION OF
2- 351
-- PROPERTIES NUCLEAR
1- 193 1- 542 2- 989 2-2059
NEPTUNIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1962
-- TRACER APPLICATIONS
2-2060
NEPTUNIUM NP 234
-- FORMATION OF
1-1229 2-1469 2-1614
-- PROPERTIES NUCLEAR
2-1469 2-1614
NEPTUNIUM NP 235
-- FORMATION OF
2-1469
-- PROPERTIES NUCLEAR
2-1469
NEPTUNIUM NP 236
-- FORMATION OF
2-1477 2-1469
-- PROPERTIES NUCLEAR
2-1469
NEPTUNIUM NP 237
-- CROSS SECTION NEUTRON
2-1476
-- FISSION OF
2-1476
-- FORMATION OF
1- 879
-- PROPERTIES NUCLEAR
1- 206 1-1064 1-1066 2- 878 2-1306
2-1477
NEPTUNIUM NP 238
-- FORMATION OF
2-1477
NEPTUNIUM NP 239
-- FORMATION OF
2-1470
NICKEL
-- CROSS SECTION NEUTRON
1-1636 2- 526
-- PROPERTIES NUCLEAR
2- 8 2-1441 2-1614
NICKEL ISOTOPES
-- CROSS SECTION NEUTRON
2-1385
-- PACKING FRACTIONS
2-1983
NICKEL NI 57
-- FORMATION OF
2-1617

NICKEL NI 58
-- CROSS SECTION NEUTRON
1-1636 2- 166
-- PROPERTIES NUCLEAR
2-1617 2-1972 2-1983
-- SPECTRA
1-1721
NICKEL NI 59
-- PROPERTIES NUCLEAR
1-1153
NICKEL NI 60
-- CROSS SECTION NEUTRON
1-1636 2- 166
-- PROPERTIES NUCLEAR
2- 1 2-1983
-- SPECTRA
1-1721
NICKEL NI 61
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NICKEL NI 62
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NICKEL NI 63
-- TRACER APPLICATIONS
1- 873
NICKEL NI 64
-- PROPERTIES NUCLEAR
2-1983
-- SPECTRA
1-1721
NIOBIUM
SEE COLUMBIUM
NITROGEN
-- CROSS SECTION NEUTRON
1- 144 1- 740 1-1631 2- 777 2-1393
-- PROPERTIES NUCLEAR
1- 302 1- 329 1- 402 2- 177
-- RADIATION ABSORPTION BY
2-1050 2-1165
-- RADIATION SCATTERING BY
1- 401 2- 691
-- RADIATION STOPPING BY
2-1171
NITROGEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471
-- SEPARATION METHODS
1- 478 1-1281
-- TRACER APPLICATIONS
1-1051 2-1466
-- USES IN SYNTHESES
2-1466 2-1764
NITROGEN N-12
-- PROPERTIES NUCLEAR
2-1265
NITROGEN N-13
-- FORMATION OF
1- 489 1-1893 2-1403 2-1618
-- PROPERTIES NUCLEAR
1-1035
NITROGEN N-14
-- CROSS SECTION NEUTRON
2- 174
-- FORMATION OF
1-1893
-- PROPERTIES NUCLEAR
1- 4 1- 295 1- 497 2- 8 2- 174
2- 568 2- 783 2-1141 2-1191 2-1401
2-1403 2-1404
-- USES IN SYNTHESES
2- 331
NITROGEN N-15
-- FORMATION OF
1- 63
-- ISOTOPIC SEPARATION
1- 113
-- PROPERTIES NUCLEAR
1- 295
-- TRACER APPLICATIONS
1- 363 1- 367 1- 368 1- 382 1- 708
1- 865 2- 332 2- 884
-- USES IN SYNTHESES
2- 725
NITROGEN N-16
-- PROPERTIES NUCLEAR
2- 533 2-1980
NITROGEN N-17
-- FORMATION OF
2-1971
-- PROPERTIES NUCLEAR
2- 531 2-1970 2-1971

OSMIUM ISOTOPES
-- FORMATION OF
1- 670
OSMIUM OS 184
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 185
-- PROPERTIES NUCLEAR
1- 840
OSMIUM OS 187
-- PROPERTIES NUCLEAR
1- 160 1- 191 1-1192
OSMIUM OS 190
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 191
-- PROPERTIES NUCLEAR
1-1706
OSMIUM OS 192
-- CROSS SECTION NEUTRON
1- 840
OSMIUM OS 193
-- PROPERTIES NUCLEAR
1- 840 1-1706
OXYGEN
-- CROSS SECTION NEUTRON
1- 144 1- 740 1- 989 1-1631 2- 777
2-1393 2-2144
-- RADIATION ABSORPTION BY
2-1050 2-1165
-- RADIATION SCATTERING BY
1- 401
-- RADIATION STOPPING BY
2-1171
OXYGEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2- 150 2- 712 2- 756 2-1213
2-1375
-- SEPARATION METHODS
1- 478 2-1580
-- TRACER APPLICATIONS
1-1956
OXYGEN O-14
-- PROPERTIES NUCLEAR
2-1141
OXYGEN O-15
-- FORMATION OF
1- 498 2- 568
OXYGEN O-16
-- FORMATION OF
2- 13
-- PROPERTIES NUCLEAR
1-1700 2- 8 2- 568 2-1968 2-1972
OXYGEN O-17
-- PROPERTIES NUCLEAR
1-1860 2- 531 2-1213 2-1970
OXYGEN O-18
-- FORMATION OF
1- 63

PALLADIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-2123
-- FORMATION OF
1- 670
PALLADIUM PD-104
-- CROSS SECTION NEUTRON
1- 136
PALLADIUM PD-106
-- PROPERTIES NUCLEAR
2- 1
PALLADIUM PD 107
-- PROPERTIES NUCLEAR
2-1681 2-1800
PALLADIUM PD 109
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1-1250
PALLADIUM PD 111
-- CROSS SECTION NEUTRON
1- 136 2-1800
PHOSPHORUS
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- PROPERTIES NUCLEAR
2- 846
PHOSPHORUS ISOTOPES
-- BIOLOGICAL EFFECTS
1- 605
-- FORMATION OF
1- 67
-- PROPERTIES NUCLEAR
1-1700
-- THERAPEUTIC USES
1- 850 1-1038 1-1199
-- TRACER APPLICATIONS
1- 709 1- 874 1-1051 2- 67 2- 672
PHOSPHORUS P 31
-- CROSS SECTION NEUTRON
1-1294
-- PROPERTIES NUCLEAR
1- 295 1-1294 2-1404 2-1613 2-1918
PHOSPHORUS P 32
-- ANALYSIS RADIOMETRIC
2-1635
-- BIOLOGICAL EFFECTS
1- 25 1- 38 1- 40 1- 229 1- 233
1- 235 1- 416 1- 747 1- 892 1- 893
1- 901 1-1696 1-1700 2- 37
-- DOSAGE DETERMINATIONS
2- 856
-- FORMATION OF
1- 62 1- 469

PHOSPHORUS P-32
-- PROPERTIES NUCLEAR
1- 40 1- 455 1- 988 1- 996 1-1324
1-1660 2- 201 2- 597 2- 808
-- RADIOAUTOGRAPHIC USES
1- 337 1-1332 1-1491 2- 37
-- THERAPEUTIC USES
1- 350 1- 352 1- 353 1- 472 1- 557
1- 558 1- 560 1-1196 1-1197 1-1198
1-1332 1-1494 2- 306 2- 856 2- 857
-- TRACER APPLICATIONS
1- 40 1- 47 1- 255 1- 374 1- 382
1- 389 1- 391 1- 392 1- 395 1- 573
1- 574 1- 575 1- 579 1- 580 1- 581
1- 582 1- 715 1- 717 1- 863 1- 865
1- 868 1- 869 1- 876 1-1053 1-1058
1-1062 1-1217 1-1391 1-1508 1-1510
1-1742 2- 333 2- 338 2- 339 2- 666
2- 671 2- 673 2- 882 2-1027 2-1151
2-1152 2-1296 2-1299 2-1455 2-1461
2-1463 2-1725 2-1853 2-1855 2-1856
2-2051 2-2053 2-2054 2-2229 2-2235
-- USES IN SYNTHESES
2- 438
PLATINUM
-- PROPERTIES NUCLEAR
1-1477 2-2027
-- RADIATION SCATTERING BY
1- 1 1- 2
PLATINUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922
-- FORMATION OF
1- 670
-- PROPERTIES NUCLEAR
2-2027
PLATINUM PT-193
-- PROPERTIES NUCLEAR
1-1191
PLATINUM PT-199
-- CROSS SECTION NEUTRON
1- 136 2-1800
PLUTONIUM
-- FISSION OF
2- 351 2- 392 2- 774
-- PROPERTIES NUCLEAR
1-1068 1-1359
PLUTONIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1962
-- RADIOGRAPHIC USES
2-1002
-- TRACER APPLICATIONS
2-1326
PLUTONIUM PU 234
-- PROPERTIES NUCLEAR
1-1229 2-2059
PLUTONIUM PU 236
-- FORMATION OF
1-1229 2-1477 2-1489
-- PROPERTIES NUCLEAR
2-1489
PLUTONIUM PU 237
-- FORMATION OF
2-1477 2-1489
-- PROPERTIES NUCLEAR
2-1489
PLUTONIUM PU 238
-- FORMATION OF
1- 879 2-1477
-- PROPERTIES NUCLEAR
2-1473
PLUTONIUM PU 239
-- BIOLOGICAL EFFECTS
1- 416
-- FISSION OF
2-1739 2-1864 2-1988
-- FORMATION OF
1- 731 2-1478
-- PROPERTIES NUCLEAR
1- 1 1- 206 1-1065 2-1306
PLUTONIUM PU 240
-- FORMATION OF
2-1489
PLUTONIUM PU 241
-- FORMATION OF
2-1489
-- PROPERTIES NUCLEAR
1-1066
POLONIUM
-- PROPERTIES NUCLEAR
1- 5 2- 292 2- 621 2- 841
POLONIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1273 2-1383
POLONIUM PO-208
-- FORMATION OF
2-1991
POLONIUM PO-210
-- CROSS SECTION DEUTERON
2- 384
POLONIUM PO-212
-- PROPERTIES NUCLEAR
1- 839 1-1926 1-1930 2- 550 2- 847
2-1440
POLONIUM PO-213
-- PROPERTIES NUCLEAR
1-1316
POLONIUM PO-214
-- PROPERTIES NUCLEAR
1- 293 1-1189 1-1925
POLONIUM PO-216
-- PROPERTIES NUCLEAR
1- 192
POLONIUM PO-218
-- PROPERTIES NUCLEAR
2- 843
POTASSIUM
-- PROPERTIES NUCLEAR
2- 518
POTASSIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 112 2- 149 2- 483 2- 990
-- SEPARATION METHODS
2- 153 2- 154
POTASSIUM K-39
-- PROPERTIES NUCLEAR
2-1404
POTASSIUM K-40
-- PROPERTIES NUCLEAR
1- 695 1- 841 1-1410 1-1481 1-1593
1-1822 2- 295 2- 635 2- 990 2-1790
2-2024 2-2029
-- SPECTRA
1-1903
POTASSIUM K-42
-- PROPERTIES NUCLEAR
1-1184
-- TRACER APPLICATIONS
1-1212 2- 668 2- 671 2-1018 2-2231
POTASSIUM K-43
-- FORMATION OF
2-1134
-- PROPERTIES NUCLEAR
2-1134
PRASEODYMIUM
-- PROPERTIES NUCLEAR
2-1449
PRASEODYMIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 706
-- PROPERTIES NUCLEAR
2- 285
PRASEODYMIUM PR-140
-- FORMATION OF
2-1617
PRASEODYMIUM PR-141
-- PROPERTIES NUCLEAR
2- 284 2-1617
PRASEODYMIUM PR-142
-- PROPERTIES NUCLEAR
2-2042
PRASEODYMIUM PR-143
-- FORMATION OF
1-1203
-- PROPERTIES NUCLEAR
2- 284
PROMETHEUM ISOTOPES
-- FORMATION OF
2-1675 2-2220
PROMETHEUM PM-147
-- ISOTOPIC SEPARATION
1-1282
PROTOACTINIUM PA 226
-- PROPERTIES NUCLEAR
2-1144
PROTOACTINIUM PA 227
-- PROPERTIES NUCLEAR
1- 835
PROTOACTINIUM PA 228
-- PROPERTIES NUCLEAR
1- 835
PROTOACTINIUM PA 229
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1614 2-2194
PROTOACTINIUM PA 230
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
1-1189 2-1614 2-2059
PROTOACTINIUM PA 231
-- PROPERTIES NUCLEAR
2- 987 2-1614
PROTOACTINIUM PA 232
-- FORMATION OF
2-1488 2-1614
-- PROPERTIES NUCLEAR
2-1488 2-1614
PROTOACTINIUM PA 233
-- FORMATION OF
2-1488
-- PROPERTIES NUCLEAR
1-1698 2-1038
-- TRACER APPLICATIONS
2-1335
PROTOACTINIUM PA 234
-- PROPERTIES NUCLEAR
2-1875

RADIOACTINIUM
SEE THORIUM TH-227
RADIUM
-- PROPERTIES NUCLEAR
2- 841
RADIUM A
SEE POLONIUM PO-218
RADIUM B
SEE LEAD PB-214
RADIUM C
SEE BISMUTH BI-214
RADIUM D
SEE LEAD PB-210
RADIUM E
SEE BISMUTH BI-210
RADIUM RA 222
-- PROPERTIES NUCLEAR
1-1190
RADIUM RA 223
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
RADIUM RA 224
-- THERAPEUTIC USES
1- 341 1- 561 1-1492 2-1277
RADIUM RA 225
-- PROPERTIES NUCLEAR
1-1316
RADIUM RA 228
-- CROSS SECTION NEUTRON
2-1386
-- FISSION OF
2-1386
-- PROPERTIES NUCLEAR
2- 623 2-2203
RADON RN-216
-- FROM THORIUM DECAY
1- 192
RADON RN-218
-- PROPERTIES NUCLEAR
2- 843 2- 957
RHENIUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 285 2- 538
RHENIUM RE-182
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-183
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-184
-- PROPERTIES NUCLEAR
1-1277
RHENIUM RE-187
-- PROPERTIES NUCLEAR
1- 160 1- 167 1-1484
RHENIUM RE-188
-- PROPERTIES NUCLEAR
1-1706
RHODIUM
-- CROSS SECTION NEUTRON
2-1604
RHODIUM ISOTOPES
-- FORMATION OF
1- 760
RHODIUM RH-102
-- PROPERTIES NUCLEAR
2-1685
RHODIUM RH-103
-- PROPERTIES NUCLEAR
1-1941 2- 302 2-1679
RHODIUM RH-104
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
2- 302
RHODIUM RH-106
-- PROPERTIES NUCLEAR
2- 1 2- 7 2-1679
RUBIDIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1077
-- PROPERTIES NUCLEAR
1- 114 1- 117
RUBIDIUM RB-81
-- PROPERTIES NUCLEAR
1-1892
RUBIDIUM RB-82
-- PROPERTIES NUCLEAR
1-1892
RUBIDIUM RB-85
-- PROPERTIES NUCLEAR
2-1231
RUBIDIUM RB-86
-- FORMATION OF
2-1678
-- PROPERTIES NUCLEAR
1-1318 1-1927
RUBIDIUM RB-87
-- PROPERTIES NUCLEAR
1- 330 2- 301 2- 632 2-1231
RUBIDIUM RB-88
-- CROSS SECTION NEUTRON
2-1965
RUTHENIUM
-- PROPERTIES NUCLEAR
1- 834 2-1585 2-2020
RUTHENIUM ISOTOPES
-- FORMATION OF
1- 670
-- PROPERTIES NUCLEAR
2- 233 2-1077
-- TRACER APPLICATIONS
1- 579 1- 862 1-1349
RUTHENIUM RU 95
-- PROPERTIES NUCLEAR
1- 544 2-1687
RUTHENIUM RU 97
-- PROPERTIES NUCLEAR
1- 544 2-1686
RUTHENIUM RU 103
-- PROPERTIES NUCLEAR
1-1941 2-1679
RUTHENIUM RU 106
-- PROPERTIES NUCLEAR
2-1679 2-1680
-- SEPARATION METHODS
1-1282

SAMARIUM
-- PROPERTIES NUCLEAR
1- 982 1-1202
-- RADIATION ABSORPTION BY
1- 982
SAMARIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922 2-1015
-- FORMATION OF
1-1041
-- PROPERTIES NUCLEAR
1- 854
-- SEPARATION METHODS
1-1714
SAMARIUM SM-151
-- PROPERTIES NUCLEAR
1- 852
SAMARIUM SM-152
-- PROPERTIES NUCLEAR
1-1497
SAMARIUM SM-153
-- PROPERTIES NUCLEAR
1- 539
SAMARIUM SM-155
-- PROPERTIES NUCLEAR
2- 647
SCANDIUM
-- CROSS SECTION NEUTRON
2- 631
SCANDIUM SC-46
-- PROPERTIES NUCLEAR
1- 837 1-1927 2- 1 2- 631
SELENIUM
-- PROPERTIES NUCLEAR
2- 298
SELENIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1482
-- CROSS SECTION ALPHA
1-1482
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
2- 328 2-1522
-- TRACER APPLICATIONS
1- 383
SELENIUM SE-73
-- PROPERTIES NUCLEAR
1- 326
SELENIUM SE-74
-- CROSS SECTION NEUTRON
1-1431
-- PROPERTIES NUCLEAR
1-1482 1-1705
SELENIUM SE-75
-- PROPERTIES NUCLEAR
1- 326 1-1431 2- 181 2-2023
-- TRACER APPLICATIONS
2-1469
SELENIUM SE-76
-- PROPERTIES NUCLEAR
1-1482 1-1705
SILICON
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- PROPERTIES NUCLEAR
2- 846
SILICON ISOTOPES
-- PROPERTIES NUCLEAR
1-1700 1-1894
SILICON SI-28
-- FORMATION OF
2-1094
-- PROPERTIES NUCLEAR
1- 814 1-1154 2-1404
SILICON SI-29
-- PROPERTIES NUCLEAR
1- 295
SILICON SI-30
-- PROPERTIES NUCLEAR
1- 295 1- 814

SILICON SI-31
-- PROPERTIES NUCLEAR
1-1294
SILVER
-- CROSS SECTION NEUTRON
2- 527
-- PROPERTIES NUCLEAR
1- 303 1-1801 2- 687
-- RADIATION ABSORPTION BY
1- 728 2- 373 2-1165
-- RADIATION STOPPING BY
2-1885
SILVER ISOTOPES
-- PROPERTIES NUCLEAR
2- 285
-- SEPARATION METHODS
2- 154
SILVER AG 106
-- FORMATION OF
1- 498
SILVER AG 107
-- CROSS SECTION NEUTRON
1-1640 2- 936
-- PROPERTIES NUCLEAR
2-2146
SILVER AG-108
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 143
-- THERAPEUTIC USES
1- 351 1- 700
SILVER AG-109
-- CROSS SECTION NEUTRON
1-1640 2- 936
-- PROPERTIES NUCLEAR
2-2146
SILVER AG 110
-- CROSS SECTION NEUTRON
1- 136
-- PROPERTIES NUCLEAR
1- 143 2-2208
-- THERAPEUTIC USES
1- 351
SILVER AG 111
-- THERAPEUTIC USES
1- 700
SODIUM
-- CROSS SECTION NEUTRON
1-1631 2-1393 2-2144
-- PROPERTIES NUCLEAR
1- 329 2- 846
-- RADIATION ABSORPTION BY
2- 90
SODIUM ISOTOPES
-- BIOLOGICAL EFFECTS
2- 860
-- FORMATION OF
1- 470
-- THERAPEUTIC USES
2- 860
-- TRACER APPLICATIONS
2- 346 2- 672 2-1030 2-2227
SODIUM NA 22
-- PROPERTIES NUCLEAR
1- 812 1-1889 2- 255 2-1396
-- SPECTRA
1-1903 1-1905 2-1396
-- TRACER APPLICATIONS
1-1060 2-1025 2-1468
SODIUM NA 23
-- CROSS SECTION DEUTERON
1-1896
-- PROPERTIES NUCLEAR
1- 295 1-1700 2- 14
SODIUM NA 24
-- BIOLOGICAL EFFECTS
1- 14 1- 38
-- PROPERTIES NUCLEAR
1- 812 1-1523 2- 1 2- 167 2-1883
2-2202
-- THERAPEUTIC USES
1- 348 1- 350 1- 560
-- TRACER APPLICATIONS
1- 384 1- 718 1-1060 1-1509 2- 671
2-1297 2-1300 2-1857 2-2231
STRONTIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 466
-- PROPERTIES NUCLEAR
1- 117
-- THERAPEUTIC USES
1- 350
-- TRACER APPLICATIONS
1- 387 1- 560 2- 672 2-1326 2-1570
STRONTIUM SR 88
-- PROPERTIES NUCLEAR
2- 1
STRONTIUM SR 89
-- BIOLOGICAL EFFECTS
1- 38 1- 40 1- 235 1- 1- 983
2-1175
-- CROSS SECTION NEUTRON
2-1967
-- ISOTOPIC SEPARATION
1-1282
STRONTIUM SR 89
-- PROPERTIES NUCLEAR
1- 40
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
1- 607
STRONTIUM SR 90
-- BIOLOGICAL EFFECTS
1- 40 1- 235 1- 901
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1-1190
SULFUR
-- CROSS SECTION NEUTRON
1-1631 2-1393
-- PROPERTIES NUCLEAR
2- 846
-- RADIATION ABSORPTION BY
1-1001 2- 90
-- RADIATION SCATTERING BY
2- 386
-- RADIATION STOPPING BY
2-1171
SULFUR ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 471 2-1213
-- PROPERTIES NUCLEAR
1-1700
-- SEPARATION METHODS
1- 478
-- TRACER APPLICATIONS
1- 866 1- 867 2-1151
-- USES IN SYNTHESES
1- 867 2-1125
SULFUR S-32
-- CROSS SECTION DEUTERON
2-1609
-- PROPERTIES NUCLEAR
1- 988 2-1404 2-1609 2-1968
SULFUR S-33
-- PROPERTIES NUCLEAR
1-1155 2-1609
SULFUR S-34
-- TRACER APPLICATIONS
1- 569
SULFUR S-35
-- FORMATION OF
1- 62 1- 469
-- PROPERTIES NUCLEAR
1- 3 1- 330 1-1181 1-1193 1-1233
1-1475 1-1699 2- 374 2- 627 2-1142
2-1213
-- THERAPEUTIC USES
1- 560
-- TRACER APPLICATIONS
1- 375 1- 393 1- 582 1- 877 1-1734
2- 350 2-1726 2-1727 2-1729 2-2052
2-2234 2-2237
-- USES IN SYNTHESES
1- 877
SULFUR S-36
-- FORMATION OF
1- 6

TANTALUM
-- PROPERTIES NUCLEAR
2-1438 2-2222
-- RADIATION ABSORPTION BY
2- 373
-- RADIATION STOPPING BY
2-1885
TANTALUM ISOTOPES
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
2- 638 2-2020
TANTALUM TA-176
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-177
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-179
-- PROPERTIES NUCLEAR
1-1277
TANTALUM TA-181
-- CROSS SECTION NEUTRON
2-2143
-- PROPERTIES NUCLEAR
1 107 1-1484 2- 287 2-1404 2-1972
TANTALUM TA-182
-- PROPERTIES NUCLEAR
1- 157 1- 885
TECHNETIUM
-- PROPERTIES NUCLEAR
1- 834
TECHNETIUM ISOTOPES
-- FORMATION OF
1- 519 1-1506
-- PROPERTIES NUCLEAR
1- 191 1- 305 1-1506
-- SPECTRA
1-1506

TECHNETIUM TC-92
-- PROPERTIES NUCLEAR
1- 639
TECHNETIUM TC-93
-- PROPERTIES NUCLEAR
2- 639
TECHNETIUM TC-94
-- PROPERTIES NUCLEAR
1- 299
TECHNETIUM TC-95
-- PROPERTIES NUCLEAR
1- 299 1- 544 1-1479
TECHNETIUM TC-96
-- PROPERTIES NUCLEAR
1- 300 1-1479
TECHNETIUM TC-97
-- PROPERTIES NUCLEAR
1- 300 2-1586
TECHNETIUM TC-98
-- PROPERTIES NUCLEAR
1- 299
TELLURIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 158
TELLURIUM TE 121
-- PROPERTIES NUCLEAR
2- 634
TELLURIUM TE 125
-- PROPERTIES NUCLEAR
1-1703 2- 991 2-1136
TELLURIUM TE 127
-- PROPERTIES NUCLEAR
2- 848
TELLURIUM TE 131
-- CROSS SECTION NEUTRON
1- 136 2-1800
TELLURIUM TE 132
-- PROPERTIES NUCLEAR
1-1359 2-1669
TERBIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1-1498
-- FORMATION OF
2-2220
-- PROPERTIES NUCLEAR
1- 854 2- 638 2-2209
TERBIUM TB-152
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-153
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-154
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-155
-- PROPERTIES NUCLEAR
1-1277
TERBIUM TB-160
-- PROPERTIES NUCLEAR
1- 543
TERBIUM TB-161
-- PROPERTIES NUCLEAR
1- 543
THALLIUM
-- CROSS SECTION NEUTRON
2-1974
THALLIUM ISOTOPES
-- PROPERTIES NUCLEAR
2-1383
-- SEPARATION METHODS
1- 476 1- 477
THALLIUM TL-198
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-199
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-200
-- PROPERTIES NUCLEAR
2-2028
THALLIUM TL-203
-- PROPERTIES NUCLEAR
2-1229 2-1399
THALLIUM TL-205
-- PROPERTIES NUCLEAR
2-1229 2-1399
THALLIUM TL-208
-- PROPERTIES NUCLEAR
2- 283 2- 550 2- 690 2-1143 2-1440
2-1827
THALLIUM TL-209
-- PROPERTIES NUCLEAR
1-1183 1-1316
THORIUM
-- CROSS SECTION ALPHA
1- 301 1-1009
-- FISSION OF
2- 782 2-1097
-- PROPERTIES NUCLEAR
1- 169 1- 304 1- 671 1- 835 1-1009
1-1083 141189 2- 205 2- 959 2-1041
2-1468
-- RADIATION ABSORPTION BY
2- 373
THORIUM
-- RADIATION STOPPING BY
2-1885
THORIUM B
SEE LEAD PB-212
THORIUM C
SEE BISMUTH BI-212
THORIUM C PRIME
SEE POLONIUM PO-212
THORIUM C DOUBLE PRIME
SEE THALLIUM TL-208
THORIUM X
SEE RADIUM RA 224
THORIUM ISOTOPES
-- PROPERTIES NUCLEAR
1-1930
THORIUM TH-226
-- PROPERTIES NUCLEAR
1-1189
THORIUM TH-227
-- PROPERTIES NUCLEAR
2-1436
THORIUM TH-229
-- PROPERTIES NUCLEAR
1-1316 2-1036
THORIUM TH-230
-- PROPERTIES NUCLEAR
2- 630 2- 997 2- 998 2-1436 2-2194
THORIUM TH-231
-- PROPERTIES NUCLEAR
2- 892
THORIUM TH-232
-- FISSION OF
2-1608
-- PROPERTIES NUCLEAR
1-1864 2-1038
THORIUM TH-234
-- PROPERTIES NUCLEAR
1-1185 2- 294
-- TRACER APPLICATIONS
1-1095 2- 676
THULIUM ISOTOPES
-- FORMATION OF
2-1014 2-2220 2-2222
-- PROPERTIES NUCLEAR
2- 638 2-1014 2-2222
THULIUM TM-166
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-167
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-168
-- PROPERTIES NUCLEAR
1-1277
THULIUM TM-169
-- PROPERTIES NUCLEAR
1-1484
THULIUM TM-171
-- PROPERTIES NUCLEAR
1-1484
TIN
-- CROSS SECTION GAMMA
2-1186
-- CROSS SECTION NEUTRON
2- 777
-- PROPERTIES NUCLEAR
2-1843
-- RADIATION ABSORPTION BY
1- 728 1-1374 2- 375 2-1166
TIN SN-115
-- PROPERTIES NUCLEAR
1-1594 2-1612
TIN SN-124
-- PROPERTIES NUCLEAR
2- 233 2-1137
TITANIUM
-- CROSS SECTION NEUTRON
2-1974
-- RADIATION SCATTERING BY
1- 985
TITANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1751
TITANIUM TI-43
-- PROPERTIES NUCLEAR
1- 796
TITANIUM TI-46
-- PROPERTIES NUCLEAR
2- 1
TRITIUM
SEE ALSO DEUTERIUM AND HYDROGEN
-- ANALYSIS
2-1063 2-1216
-- CROSS SECTION DEUTERON
1-1161
-- CROSS SECTION PROTON
1-1635 2-1615
-- FORMATION OF
1- 955 1- 978 2-1600 2-1813 2-1987
-- PROPERTIES CHEMICAL
2-1216
-- PROPERTIES NUCLEAR
1-1004 1-1011 1-1148 1-1168 1-1319
1-1476 1-1635 1-1720 1-1886 2- 204

TRITIUM
-- PROPERTIES NUCLEAR
2- 850 2- 968 2-1216 2-1228 2-1497
2-1615 2-1616 2-1688 2-1692 2-1826
2-1839 2-1842 2-1968 2-1981 2-2150
2-2151 2-2152 2-2195
-- PROPERTIES PHYSICAL
1-1914 2-1216
-- SPECTRA
1-1720 2- 657 2-2226
-- TRACER APPLICATIONS
2-1158 2-1216
TUNGSTEN
-- CROSS SECTION NEUTRON
1- 979
-- FISSION OF
2-1975
-- PROPERTIES NUCLEAR
2- 687 2- 994 2-1438
-- RADIATION STOPPING BY
2-1973
TUNGSTEN ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1015 2-2123
-- PROPERTIES NUCLEAR
2- 638
TUNGSTEN W-185
-- PROPERTIES NUCLEAR
1- 837 1-1701
TUNGSTEN W-187
-- CROSS SECTION NEUTRON
1- 136 2-1800
-- PROPERTIES NUCLEAR
1- 837 2- 297 2- 995 2-1838

URANIUM
-- CROSS SECTION GAMMA
2-1166
-- CROSS SECTION NEUTRON
2- 777
-- FISSION OF
1- 10 1- 11 1- 12 1- 51 1- 54
1- 111 1- 114 1- 115 1- 117 1- 132
1- 133 1- 178 1- 194 1- 203 1- 226
1- 277 1- 287 1- 304 1- 359 1- 430
1- 599 1- 601 1- 619 1- 651 1- 670
1- 671 1- 692 1- 725 1- 729 1- 730
1- 731 1- 882 1- 888 1- 889 1- 890
1- 891 1- 976 1-1230 1-1286 1-1293
1-1378 1-1379 1-1380 1-1381 1-1382
1-1383 1-1440 1-1525 1-1527 1-1632
1-1640 1-1756 1-1757 1-1759 1-1861
1-1963 1-1967 2- 20 2- 21 2- 168
2- 176 2- 317 2- 363 2- 391 2- 392
2- 393 2- 700 2- 848 2- 897 2-1000
2-1053 2-1054 2-1097 2-1129 2-1130
2-1145 2-1173 2-1174 2-1305 2-1310
2-1312 2-1313 2-1314 2-1315 2-1316
2-1318 2-1384 2-1502 2-1505 2-1520
2-1521 2-1528 2-1529 2-1530 2-1531
2-1532 2-1535 2-1537 2-1538 2-1539
2-1541 2-1602 2-1613 2-1659 2-1660
2-1665 2-1666 2-1670 2-1671 2-1674
2-1678 2-1679 2-1681 2-1682 2-1683
2-1706 2-1707 2-1708 2-1709 2-1710
2-1711 2-1713 2-1714 2-1715 2-1739
2-1879 2-1880 2-1881 2-1886 2-1989
2-2020 2-2067 2-2075 2-2092
-- PROPERTIES NUCLEAR
2-2241
-- RADIATION ABSORPTION BY
1- 729 2-1166
URANIUM X 1
SEE THORIUM TH-234
URANIUM X 2
SEE PROTOACTINIUM PA 234
URANIUM Y
SEE THORIUM TH-231
URANIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922 2-2073
-- SPECTRA
1-1361 1-1743 2- 891
-- TRACER APPLICATIONS
1- 750
URANIUM U 229
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1144 2-1614
URANIUM U 230
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
1-1189 2-1614
URANIUM U 231
-- FORMATION OF
2-1614
-- PROPERTIES NUCLEAR
2-1614
URANIUM U 232
-- FORMATION OF
1- 301 2-1041 2-1488 2-1614
-- PROPERTIES NUCLEAR
2-1488 2-1614

URANIUM U 233
-- CROSS SECTION ALPHA
1-1229
-- FISSION OF
2-1866
-- FORMATION OF
1- 731
-- PROPERTIES NUCLEAR
1-1229 1-1316 2-1036 2-1038 2-2059
-- RADIOAUTOGRAPHIC USES
1-1387
-- TRACER APPLICATIONS
1-1386 1-1387 1-1388
URANIUM U 234
-- ANALYSIS RADIOMETRIC
2-2243
-- PROPERTIES NUCLEAR
2- 679
URANIUM U 235
-- ANALYSIS RADIOMETRIC
1-1643
-- FISSION OF
1- 168 1- 493 1- 791 1-1293 1-1632
2- 171 2- 392 2- 936 2-1866 2-2148
-- FORMATION OF
1- 731
-- PROPERTIES NUCLEAR
1-1514 2-1489 2-2061
URANIUM U 237
-- FORMATION OF
1-1732 2-1489 2-2241
-- ISOTOPIC SEPARATION
1-1372 2- 354
-- PROPERTIES NUCLEAR
1-1372 2-2242
URANIUM U 238
-- FISSION OF
1-1864 2-1037 2-1608 2-1739
-- PROPERTIES NUCLEAR
1- 206 1- 879 1-1066 2-1470 2-1489
-- SPECTRA
2- 891
URANIUM U 239
-- ISOTOPIC SEPARATION
2- 354

VANADIUM V-48
-- PROPERTIES NUCLEAR
2-2202

XENON ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2- 922
-- PROPERTIES NUCLEAR
1- 114
XENON XE-131
-- FORMATION OF
2-1402 2-1599
-- PROPERTIES NUCLEAR
2- 288 2-1303 2-1667
XENON XE-133
-- PROPERTIES NUCLEAR
2-1271
XENON XE-135
-- FORMATION OF
2-1989
-- PROPERTIES NUCLEAR
2-1670 2-1672
XENON XE-137
-- PROPERTIES NUCLEAR
2- 533

YTTERBIUM
-- PROPERTIES NUCLEAR
2-2141
-- RADIATION ABSORPTION BY
1-1484
YTTERBIUM ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
2-1148
-- PROPERTIES NUCLEAR
2-2141
YTTRIUM ISOTOPES
-- PROPERTIES NUCLEAR
1- 117 1-1359
-- TRACER APPLICATIONS
1- 43 2-1326
-- USES IN SYNTHESIS
1- 60
YTTRIUM Y 88
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
2- 1
YTTRIUM Y-90
-- BIOLOGICAL EFFECTS
1- 40 1- 235
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
1-1190
YTTRIUM Y 91
-- BIOLOGICAL EFFECTS
1- 15 1- 38 1- 416 1-1534

YTTRIUM Y-91
-- ISOTOPIC SEPARATION
1-1282
-- PROPERTIES NUCLEAR
2-2043
-- TRACER APPLICATIONS
2-1883
YTTRIUM Y 94
-- PROPERTIES NUCLEAR
2-1129 2-1130

ZINC
-- CROSS SECTION NEUTRON
2- 777 2-1974
-- PROPERTIES NUCLEAR
2- 299
ZINC ISOTOPES
-- ABUNDANCE AND DISTRIBUTION
1- 956 2- 151 2- 757
-- FORMATION OF
1- 470
-- PROPERTIES NUCLEAR
1- 466
-- TRACER APPLICATIONS
1- 387 2-1160
ZINC ZN-62
-- PROPERTIES NUCLEAR
1-1008 1-1014
ZINC ZN-63
-- RADIOAUTOGRAPHIC USES
2- 304

ZINC ZN-65
-- PROPERTIES NUCLEAR
1-1150 2- 181 2-1245
-- TRACER APPLICATIONS
2- 342 2- 344
ZINC ZN-69
-- PROPERTIES NUCLEAR
1- 143
ZIRCONIUM ISOTOPES
-- BIOLOGICAL EFFECTS
1- 38
-- CROSS SECTION NEUTRON
2-1385
-- PROPERTIES NUCLEAR
2-1129
-- TRACER APPLICATIONS
1- 43 2-1326
-- USES IN SYNTHESES
1- 60
ZIRCONIUM ZR 89
-- FORMATION OF
2-1617
ZIRCONIUM ZR-90
-- PROPERTIES NUCLEAR
2-1617
ZIRCONIUM ZR 95
-- PROPERTIES NUCLEAR
1- 331
-- TRACER APPLICATIONS
2-1343 2-1893

CUMULATIVE FOREIGN GEOGRAPHIC INDEX

ARGENTINA
1- 39 1- 189 1-1331 1-1461 1-1494
2- 62 2- 367 2- 670 2- 856
AUSTRALIA
1- 183 1- 340 1- 487 1-1104 1-1416
1-1428 1-1456 1-1748 1-1803 1-1844
2- 88 2- 170 2- 369 2- 517 2- 645
2- 684 2- 728 2- 763 2- 766 2- 792
2- 881 2-1495 2-1750 2-1765 2-1815
2-2170 2-2171
AUSTRIA
1- 77 1- 441 1- 515 1- 627 1- 737
1-1020 1-1438 1-1605 2- 599 2-1747
2-1982 2-1986 2-2070 2-2159 2-2206

BELGIUM
1- 574 1- 575 1- 667 1- 864 1-1968
2- 694 2-1214 2-1325 2-2022 2-2053
BRAZIL
1- 131 1- 790 1-1290 1-1403 1-1423
1-1468 1-1618 1-1690 2- 66 2- 452
2-1049 2-1123 2-1583 2-1585

CANADA
1- 54 1- 62 1- 63 1- 66 1- 84
1- 86 1- 103 1- 120 1- 130 1- 135
1- 168 1- 193 1- 196 1- 197 1- 198
1- 207 1- 208 1- 209 1- 233 1- 254
1- 273 1- 277 1- 473 1- 560 1- 570
1- 571 1- 579 1- 582 1- 591 1- 862
1- 882 1-1013 1-1058 1-1126 1-1276
1-1283 1-1300 1-1301 1-1306 1-1321
1-1322 1-1383 1-1421 1-1463 1-1595
1-1828 1-1837 1-1930 1-1961 2- 63
2- 175 2- 189 2- 241 2- 261 2- 278
2- 305 2- 460 2- 516 2- 546 2- 582
2- 627 2- 629 2- 905 2-1012 2-1078
2-1106 2-1132 2-1133 2-1192 2-1271
2-1274 2-1361 2-1389 2-1461 2-1599
2-1602 2-1695 2-1700 2-1746 2-1748
2-1811 2-1826 2-1839 2-1866 2-2008
2-2146 2-2189 2-2217 2-2235
CHINA
1-1741 1-1969 2- 91 2- 274 2- 682
2- 923 2-1765
CZECHOSLOVAKIA
1- 319 1- 527 2- 752 2-1425

DENMARK
1- 4 1- 112 1- 596 1-1138 1-1234
1-1339 1-1340 1-1424 2- 173 2- 293
2- 382 2- 626 2- 705 2- 706 2-1600
2-1883 2-2227

EGYPT
2- 622
EIRE
1- 285 1-1002 1-1005 1-1514 2- 387
2- 463 2- 539 2- 620 2-1224 2-1276
2-1784 2-2191

FINLAND
1- 415
FRANCE
1- 10 1- 21 1- 57 1- 67 1- 145
1- 150 1- 154 1- 155 1- 169 1- 202
1- 302 1- 303 1- 334 1- 342 1- 345
1- 350 1- 359 1- 365 1- 490 1- 505
1- 512 1- 557 1- 598 1- 665 1- 686
1- 690 1- 694 1- 727 1- 738 1- 742
1- 746 1- 755 1- 758 1- 767 1- 836
1- 844 1- 850 1- 921 1- 925 1- 970
1-1021 1-1029 1-1046 1-1090 1-1105
1-1151 1-1285 1-1285 1-1335 1-1336
1-1337 1-1338 1-1392 1-1436 1-1487
1-1488 1-1490 1-1511 1-1670 1-1678
1-1682 1-1692 1-1694 1-1791 1-1801
1-1815 1-1913 1-1940 1-1942 2- 9
2- 40 2- 61 2- 103 2- 104 2- 300
2- 348 2- 358 2- 359 2- 405 2- 422
2- 425 2- 441 2- 463 2- 464 2- 490
2- 494 2- 498 2- 563 2- 580 2- 589
2- 601 2- 602 2- 628 2- 630 2- 636
2- 651 2- 681 2- 671 2- 680 2- 681
2- 683 2- 720 2- 734 2- 735 2- 737
2- 739 2- 744 2- 745 2- 770 2- 784

FRANCE
2- 806 2- 826 2- 832 2- 834 2- 843
2- 848 2- 851 2- 866 2- 890 2- 911
2- 944 2- 966 2- 972 2- 997 2- 998
2-1042 2-1126 2-1138 2-1163 2-1259
2-1313 2-1314 2-1315 2-1316 2-1317
2-1318 2-1339 2-1412 2-1493 2-1642
2-1648 2-1652 2-1769 2-1776 2-1778
2-1833 2-1857 2-1921 2-1941 2-1992
2-2006 2-2055 2-2064 2-2156 2-2172
2-2173 2-2178 2-2203 2-2214 2-2223
2-2244

GERMANY
1- 19 1- 33 1- 47 1- 101 1- 114
1- 117 1- 165 1- 181 1- 203 1- 225
1- 283 1- 290 1- 291 1- 321 1- 333
1- 391 1- 399 1- 430 1- 449 1- 467
1- 476 1- 477 1- 498 1- 577 1- 674
1- 735 1- 745 1- 920 1- 928 1- 971
1-1044 1-1049 1-1068 1-1126 1-1159
1-1230 1-1344 1-1376 1-1455 1-1464
1-1627 1-1852 1-1898 2- 78 2- 112
2- 113 2- 121 2- 155 2- 258 2- 270
2- 290 2- 400 2- 506 2- 547 2- 548
2- 588 2- 741 2- 811 2- 874 2- 894
2- 914 2- 924 2- 925 2- 930 2- 939
2- 940 2- 949 2- 970 2- 980 2-1001
2-1015 2-1250 2-1422 2-1606 2-1651
2-1804 2-1907 2-2016 2-2073 2-2092
2-2127 2-2129 2-2143
GREAT BRITAIN
1- 20 1- 22 1- 29 1- 68 1- 70
1- 83 1- 111 1- 123 1- 125 1- 127
1- 156 1- 161 1- 167 1- 172 1- 178
1- 234 1- 239 1- 240 1- 242 1- 263
1- 267 1- 270 1- 274 1- 293 1- 323
1- 339 1- 341 1- 347 1- 349 1- 356
1- 395 1- 401 1- 402 1- 432 1- 437
1- 450 1- 493 1- 534 1- 561 1- 595
1- 599 1- 603 1- 623 1- 624 1- 634
1- 637 1- 639 1- 657 1- 662 1- 675
1- 681 1- 717 1- 740 1- 744 1- 779
1- 799 1- 808 1- 809 1- 813 1- 829
1- 830 1- 839 1- 843 1- 858 1- 861
1- 865 1- 937 1- 950 1- 986 1- 997
1-1012 1-1037 1-1053 1-1103 1-1116
1-1133 1-1143 1-1179 1-1194 1-1200
1-1209 1-1242 1-1299 1-1304 1-1357
1-1373 1-1405 1-1413 1-1417 1-1422
1-1443 1-1446 1-1447 1-1448 1-1450
1-1451 1-1489 1-1495 1-1497 1-1516
1-1521 1-1537 1-1538 1-1575 1-1584
1-1588 1-1615 1-1675 1-1702 1-1707
1-1711 1-1713 1-1718 1-1734 1-1747
1-1751 1-1777 1-1778 1-1784 1-1810
1-1823 1-1917 1-1928 1-1945 1-1972
2- 2 2- 10 2- 11 2- 14 2- 32
2- 33 2- 92 2- 110 2- 122 2- 128
2- 129 2- 130 2- 131 2- 135 2- 196
2- 234 2- 240 2- 245 2- 259 2- 265
2- 267 2- 279 2- 283 2- 287 2- 307
2- 308 2- 310 2- 311 2- 312 2- 319
2- 343 2- 366 2- 374 2- 381 2- 392
2- 394 2- 413 2- 449 2- 464 2- 474
2- 481 2- 501 2- 509 2- 536 2- 540
2- 543 2- 549 2- 550 2- 557 2- 558
2- 577 2- 584 2- 585 2- 598 2- 603
2- 606 2- 607 2- 611 2- 612 2- 615
2- 623 2- 625 2- 650 2- 668 2- 691
2- 702 2- 711 2- 722 2- 724 2- 727
2- 729 2- 731 2- 733 2- 738 2- 742
2- 751 2- 767 2- 768 2- 776 2- 779
2- 781 2- 785 2- 805 2- 814 2- 819
2- 829 2- 841 2- 862 2- 875 2- 895
2- 922 2- 926 2- 931 2- 946 2- 951
2- 967 2- 968 2- 969 2- 971 2- 974
2- 976 2- 985 2-1006 2-1008 2-1009
2-1044 2-1047 2-1068 2-1080 2-1090
2-1091 2-1105 2-1110 2-1115 2-1116
2-1117 2-1146 2-1187 2-1195 2-1210
2-1223 2-1239 2-1240 2-1251 2-1253
2-1254 2-1258 2-1279 2-1280 2-1297
2-1299 2-1368 2-1395 2-1400 2-1418
2-1421 2-1426 2-1427 2-1430 2-1440
2-1453 2-1496 2-1549 2-1560 2-1562
2-1576 2-1578 2-1579 2-1580 2-1607
2-1629 2-1646 2-1647 2-1654 2-1697
2-1698 2-1731 2-1767 2-1770 2-1773
2-1777 2-1791 2-1800 2-1806 2-1816

GREAT BRITAIN
2-1824 2-1831 2-1845 2-1861 2-1899
2-2013 2-2017 2-2030 2-2035 2-2054
2-2069 2-2072 2-2088 2-2105 2-2120
2-2121 2-2122 2-2131 2-2140 2-2157
2-2158 2-2162 2-2168 2-2175 2-2177
2-2179 2-2182 2-2192 2-2209 2-2211
2-2219 2-2221 2-2231 2-2238

HUNGARY
1- 32 1-1458 1-1630 1-1651 1-1652
1-1894 1-1900 2- 102 2- 461 2- 559
2- 710 2-1382 2-1980

INDIA
1- 9 1- 69 1- 74 1- 79 1- 138
1- 262 1- 284 1- 292 1- 297 1- 298
1- 330 1- 440 1- 807 1- 811 1- 856
1- 881 1- 886 1- 924 1-1048 1-1074
1-1158 1-1334 1-1524 1-1684 2- 3
2- 96 2- 199 2- 351 2- 385 2- 533
2- 624 2- 649 2- 662 2- 774 2- 787
2- 830 2-1273 2-1454 2-1796 2-2041
2-2198 2-2204

ISRAEL
1- 739 2- 329

ITALY
1- 45 1- 166 1- 186 1- 192 1- 445
1- 516 1- 524 1- 535 1- 564 1- 621
1- 640 1- 695 1- 732 1-1132 1-1394
1-1401 2- 65 2- 360 2- 440 2- 516
2- 773 2-1196 2-1310 2-1347 2-1348
2-1352 2-1357 2-1362 2-1398 2-1428
2-1432 2-1566 2-1627 2-1902 2-1906
2-1912 2-2164

JAPAN
1-1026 1-1613 1-1614 2- 145 2- 326
2- 423 2- 608 2- 757 2-1119 2-1917
2-1985 2-2187

MEXICO
2- 451 2- 828

NETHERLANDS
1- 8 1- 104 1- 105 1- 106 1- 128
1- 143 1- 188 1- 200 1- 517 1- 563
1- 567 1- 610 1- 859 1-1192 1-1572
1-1596 1-1875 2- 174 2- 251 2- 252
2- 275 2- 730 2- 736 2- 791 2- 833
2- 961 2-1056 2-1168 2-1200 2-1261
2-1303 2-1363 2-1365 2-1581 2-1733
2-1771 2-1844 2-1904 2-2018 2-2213
2-2215

NEW ZEALAND
2- 867

NORWAY
1- 295 1- 513 1- 724 1-1075 2-1959

PERU
1- 179

POLAND
1- 165 1- 439

RUSSIA
1- 55 1- 65 1- 72 1- 97 1- 116
1- 163 1- 182 1- 184 1- 220 1- 221
1- 222 1- 251 1- 261 1- 275 1- 289
1- 308 1- 314 1- 343 1- 397 1- 443
1- 518 1- 529 1- 615 1- 622 1- 630
1- 631 1- 635 1- 649 1- 669 1- 678
1- 685 1- 709 1- 725 1- 786 1- 801
1- 802 1- 808 1-1520 1-1560 1-1562
1-1563 1-1564 1-1565 1-1568 1-1569
1-1573 1-1574 1-1575 1-1577 1-1578
1-1579 1-1580 1-1581 1-1582 1-1583
1-1608 1-1616 1-1639 1-1641 1-1642
1-1653 1-1658 1-1659 1-1665 1-1671
1-1672 1-1673 1-1676 1-1679 1-1680
1-1685 1-1686 1-1689 1-1691 1-1693
1-1783 1-1793 1-1808 1-1908 1-1912
2- 5 2- 12 2- 64 2- 67 2- 71
2- 98 2- 117 2- 238 2- 264 2- 384
2- 390 2- 436 2- 442 2- 448 2- 465
2- 467 2- 535 2- 654 2- 660 2- 690
2- 692 2- 790 2- 818 2- 825 2- 827
2- 850 2-1039 2-1050 2-1064 2-1067
2-1071 2-1072 2-1073 2-1081 2-1100
2-1108 2-1120 2-1172 2-1191 2-1194
2-1197 2-1199 2-1201 2-1202 2-1203
2-1204 2-1205 2-1216 2-1232 2-1308
2-1312 2-1349 2-1350 2-1353 2-1354
2-1359 2-1360 2-1366 2-1424 2-1431
2-1499 2-1550 2-1555 2-1556 2-1557
2-1558 2-1559 2-1720 2-1745 2-1812
2-1817 2-1818 2-1820 2-1827 2-1841
2-1849 2-1896 2-1898 2-1911 2-1914
2-1956

SOUTH AFRICA
1- 272 1-1047 1-1050 1-1377 2- 29

SPAIN
1-1288 2- 719 2- 798

SWEDEN
1- 5 1- 245 1- 296 1- 329 1- 408
1- 494 1- 642 1- 863 1- 874 1-1034
1-1172 1-1236 1-1295 1-1372 1-1410
1-1481 1-1740 1-1769 1-1812 1-1822
1-1842 1-1883 1-1916 1-1918 1-1947
1-1953 1-1954 2- 154 2- 156 2- 163
2- 178 2- 227 2- 239 2- 276 2- 286
2- 297 2- 502 2- 583 2- 871 2-1040
2-1063 2-1258 2-1805 2-1851 2-1865
2-2026 2-2051 2-2063 2-2066 2-2186
2-2208 2-2229 2-2245

SWITZERLAND
1- 98 1- 259 1- 318 1- 366 1- 412
1- 413 1- 422 1- 499 1- 531 1- 541
1- 548 1- 576 1- 653 1- 658 1- 664
1- 842 1- 871 1- 988 1-1127 1-1129
1-1261 1-1274 1-1279 1-1294 1-1297
1-1308 1-1313 1-1477 1-1478 1-1479
1-1481 1-1506 1-1643 1-1683 1-1886
2- 260 2- 295 2- 426 2- 574 2- 775
2- 921 2- 979 2- 982 2-1017 2-1155
2-1238 2-1543 2-1787 2-1850 2-1960

URUGUAY
1- 677

Document Number	Abstract Number	Title	Authors	Journal
AECD-2053	1-16	Late Effects of Radium and Plutonium on Bone.	M.A.Bloom W.Bloom	*Arch. Path. 47,* 494-511 (1949) May
AECD-2055	1-43	Studies with Colloids Containing Radioisotopes of Yttrium, Zirconium, Columbium and Lanthanum. Part II. The Controlled Selective Localization of Radioisotopes of Yttrium Zirconium and Columibum in the Bone Marrow, Liver and Spleen.	E.L.Dobson	*J. Lab. and Clin. Med. 34,* 305-12, (1949) Mar.
AECD-2057	1-60	Studies with Colloids Containing Radioisotopes of Yttrium, Zirconium, Columbium and Lanthanum.	J.W.Gofman	*J. Lab. and Clin. Med. 34,* 297-304 (1949) Mar.
AECD-2068	1-229	Induced Reversions of Biochemical Mutants in Neurospora Crassa.	N.H.Giles, Jr.	*Genetics 33,* 105, (1949) Jan.
AECD-2071	1-306	Design of the Radio-frequency System for the 184-in. Cyclotron.	K.R.MacKenzie F.H.Schmidt	*Rev. Sci. Instruments 20,* 126-33 (1949) Feb.
AECD-2073	1-299	Characterization of Tc Activities Produced by Deuteron Bombardment of Separated Mo Isotopes.	E.E.Motta	*Phys. Rev. 74,* 220-22 (1948) July 15
AECD-2074	1-300	Long-lived Tc Activities Produced by Deuteron Bombardment of Separated Mo Isotopes.	E.E.Motta G.E.Boyd	*Phys. Rev. 74,* 344-5 (1948) Aug. 1
AECD-2081	1-301	The Formation of U^{232} by Helium Ions on Thorium.	A.S.Newton	*Phys. Rev. 75,* 209-11 (1949) Jan. 1
AECD-2082	1-269	Quartz Spring July Balance.	I.Sheft S.Fried	*Rev. Sci. Instruments 19,* 723-24 (1948) Oct.
AECD-2088	1-584	The Crystal Structure of Cs_2PuCl_6.	W.H.Zachariasen	*Acta Cryst. 1,* 1,268-9 (1948) Nov.

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECD-2093	1-447	New Crystal Structure Results. Part I.	W.H.Zachariasen	*Acta Cryst. 1*, 1,265-8 (1948) Nov.
AECD-2096	1-458	Trochotron Design Principles	G.W.Monk G.K.Werner	*Rev. Sci. Instruments 20*, 93-6 (1949) Feb.
AECD-2098	1-510	Disintegration of Mesotrons in B^{10}.	N.Nereson	*Phys. Rev. 74*, 509 (1948) Aug. 15
AECD-2099-B	1-419-B	Analysis of Micro-Composition of Biological Tissue by Means of Induced Radioactivity.	C.A.Tobias R.W.Dunn	*Science 109*, 109-13 (1949) Feb. 4
AECD-2107	1-702	The K Spectra of Element 61.	L.E.Burkhart W.F.Peed E.J.Spitzer	*Phys. Rev. 75*, 86-9, (1949) Jan. 1.
AECD-2115	1-704	The Lanthanum and Cerium Isotopes of Mass 137.	M.G.Inghram D.C.Hess, Jr.	*Phys. Rev. 74*, 627 (1948) Sept. 1
AECD-2116	1-644	The Varieties, Quantities and Purities of Stable Isotopes Which Have Been Concentrated Electromagnetically.	C.P.Keim	*Science 108*, 541 (1948) Nov. 12
AECD-2119	1-666	Polarization of Nuclear Spins.	M.E.Rose	*Phys. Rev. 75*, 213 (1949) Jan. 1
AECD-2126	1-659	Stars in Photographic Emulsions Initiated by Alpha Particles.	E.Gardner	*Phys. Rev. 75*, 379-82 (1949) Feb. 1
AECD-2137	1-670	Radioactivities Produced in the Platinum Group by Bombardment of Uranium with 400 Million Electron Volt Helium Ions.	R.D.Wolfe	*Phys. Rev. 75*, 527-8 (1949) Feb. 1
AECD-2139	1-721	The Crystal Structure of $CaUO_4$ and $SrUO_4$.	W.H.Zachariasen.	*Acta Cryst. 1*, 281-5 (1948) Dec.
AECD-2140	1-722	The Crystal Structure of Uranyl Fluoride, UO_2F_2.	W.H.Zachariasen	*Acta Cryst. 1*, 277-81 (1948) Dec.
AECD-2146	1-764	A New Interpretation of Interstitial Compounds. Part I. Metallic Carbides, Nitrides and Oxides of Composition NX.	R.E.Rundle	*Acta Cryst. 1*, 180 (1948) Sept.

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECD-2153	1-791	Angular Dependence of Coincidence between Fission Neutrons.	S.DeBenedetti J.E.Francis, Jr. W.M.Peterson	*Phys. Rev. 74,* 1645-50 (1948) Dec. 1
AECD-2154	1-851	The Quantitative Spectrographic Analysis of the Rare Earth Elements Part III. Determination of Major Constituents in Complex Mixtures.	V.A.Fassel	*J. Optical Soc. Am. 39,* 187-93 (1949) Feb.
AECD-2166	1-835	Artificial Collateral Chains to The Thorium and Actinium Families.	A.Ghiorso W.W.Meinke G.T.Seaborg	*Phys. Rev. 74,* 695-6 (1948) Sept. 15
AECD-2174	1-975	Neutron Absorption Cross Sections of Radioactive La^{140} and Two Stable Cerium Isotopes.	S.Katcoff J.A.Leary K.A.Walsh R.A.Elmer S.S.Goldsmith L.D.Hall E.G.Newbury J.J.Povelites J.S.Waddell	*J. Chem. Phys. 17,* 421-4 (1949) Apr.
AECD-2179	1-1064	Chemistry of Element 93. Part I. The First Isolation of Element 93 in Pure Compounds and the Half-Life Determination of Np^{237} by Direct Weighing.	L.B.Magnusson T.J.LaChapelle	*J. Am. Chem. Soc. 70,* 3534-8 (1948) Nov.
AECD-2183	1-977	Scattering and Absorption of Neutrons by Polarized Nuclei.	M.E.Rose	*Phys. Rev. 75,* 213-4 (1949) Jan. 1
AECD-2184	1-1072	The Crystal Structure of Uranium Hexa-Chloride.	W.H.Zachariasen	*Acta Cryst. 1,* 285-7 (1948) Dec.
AECD-2194	1-1009	The Fission of Thorium with Alpha Particles.	A.S.Newton	*Phys. Rev. 75,* 17-29 (1949) Jan. 1
AECD-2196	1-979	Upper Limits of the Fission Cross Section of Bismuth, Lead, Mercury, Gold, Iridium, and Tungsten for 14-Mev Neutrons.	A.A.Philips L.Rosen R.F.Taschek	*Phys. Rev. 75,* 919-22 (1949) Mar. 15
AECD-2197	1-991	Statistical Error in Absorption Experiments.	M.E.Rose M.M.Shapiro	*Phys. Rev. 74,* 1853-64 (1948) Dec. 15

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECD-2199	1-1028	Experiments on the Effect of Atomic Electrons on the Decay Constant of Be^7.	E.Segre C.E.Wiegand	*Phys. Rev. 75*, 39-43 (1949) Jan. 1
AECD-2207	1-955	He^3 Isotopic Abundance Measurement by Counter Technique.	J.H.Coon	*Phys. Rev. 75*, 1355-7 (1949) May 1
AECD-2209	1-956	The Relative Abundance of the Zinc Isotopes.	M.G.Inghram D.C.Hess,Jr.	*Phys. Rev. 74*, 1531-2 (1948) Nov. 15
AECD-2210	1-1041	Mass Deposition of Completely Resolved Samarium Isotopes.	A.E.Shaw	*Phys. Rev. 74*, 980-1 (1948) Oct. 15
AECD-2211	1-1010	Low-Energy Cross Section of the D-T Reaction and Angular Distribution of the Alpha Particles Emitted.	E.Bretscher A.P.French	*Phys. Rev. 75*, 1154-60 (1949) Apr. 15
AECD-2218	1-1042	Neutron Deficient Isotopes of Cerium and Lanthanum.	J.B.Chubbuck I. Perlman	*Phys. Rev. 74*, 982-3 (1948) Oct. 15.
AECD-2227	1-1181	The Beta Spectrum of S^{35}.	R.D.Albert C.S. Wu	*Phys. Rev. 74*, 847-8 (1948) Oct. 1
AECD-2246	1-1184	Evidence for a New Isotope of Potassium.	R.Overstreet L. Jacobson P.R.Stout	*Phys. Rev. 75*, 231-3 (1949) Jan. 15
AECD-2254	1-1092	The Metabolism of Carrier-Free Be^7 in the Rat.	J.F.Crowley J.G.Hamilton K.G.Scott	*J.Biol. Chem. 177*, 975-84 (1949) Feb.
AECD-2260	1-1185	Half-Life of UX_1(Th-234).	G.B.Knight R.L.Macklin	*Phys. Rev. 74*, 1540-1 (1948) Nov. 15
AECD-2261	1-1186	A Search for Gamma Rays from He^6 and F^{18}.	W.J.Knox	*Phys. Rev. 74*, 1192 (1948) Nov. 1
AECD-2262	1-1135	Separation of Nuclear Isomers.	W.S.Koski	*J. Am. Chem. Soc. 70*, 4251-2 (1948) Dec.
AECD-2264	1-1187	Cross-Over Transitions in Cl^{38}, Co^{60}, Br^{82}, and Sb^{124}.	V.Myers A.Wattenberg	*Phys. Rev. 75*, 992-3 (1949) Mar. 15
AECD-2277	1-1195	Autoradiographs of C^{14} Incorporated in Individual Blood Cells.	G.A.Boyd G.W.Casarett K.I.Altman T.R.Noonan K.Salomon	*Science 108*, 529-31 (1948) Nov. 12

Document Number	Abstract Number	Title	Authors	Journal
AECD-2281	1-1167	The Variation with Neutron Energy of the $n(He^3,p)H^3$ Reaction Cross Section.	L.D.P.King E.S.Robinson L.Goldstein F.L.Bentzen	*Phys. Rev. 75*, 1819-24 (1949) June 15
AECD-2286	1-1150	The Application of a Magnetic Lens Spectrometer to the Measurement of Gamma Radiation from Zn^{65} and Co^{60}.	E.N.Jensen L.J.LaSlett W.W.Pratt	*Phys. Rev. 75*, 458-66 (1949) Feb. 1
AECD-2290	1-1188	The Gamma Rays Following Au^{198} Decay.	D.Saxon R.Heller	*Phys. Rev. 75*, 909-10 (1949) Mar. 1
AECD-2293	1-1213	An Isotope Effect in a Simple Chemical Reaction.	P.E.Yankwich M.Calvin	*J. Chem. Phys. 17*, 109-10 (1949) Jan.
AECD-2296	1-1292	The Neutron Pile as a Tool in Quantitative Analysis; the Gallium and Palladium Contents of Iron Meteorites.	H.Brown E. Goldberg	*Science 109*, 347-53 (1949) Apr. 8
AECD-2306	1-1277	Some New Radioactive Isotopes.	G.Wilkinson H.G.Hicks	*Phys. Rev. 74*, 1733-4 (1948) Dec. 1
AECD-2308	1-1305	The Lifetime of the Heavy Meson.	J.R.Richardson	*Phys. Rev. 74*, 1720-1 (1948) Dec. 1
AECD-2321	1-1333	A New Naturally Occurring Isotope of Dysprosium.	D.C.Hess, Jr. M.G.Inghram	*Phys. Rev. 74*, 1724-5 (1948) Dec. 1
AECD-2333	1-1515	A New Method of Determining X-Ray Intensities.	N.C.Baenziger	*J. Chem. Phys. 16*,
AECD-2340	1-1631	Relative Cross Sections of Nuclear Reactions Induced by High Energy Neutrons in Light Elements.	W.J.Knox	*Phys. Rev. 75*, 537-41 (1949) Feb. 15
AECD-2343	1-1633	Spin Dependence of Slow Neutron Scattering by deuterons.	E. Fermi L.Marshall	*Phys. Rev. 75*, 578-80 (1949) Feb. 15
AECD-2344	1-1634	Experiments on N-P Scattering with 90 and 40-Mev Neutrons.	J.Hadley E.Kelley C.Leith	*Phys. Rev. 75*, 351-63 (1949) Feb. 1
AECD-2347	1-1699	Screening and Relativistic Effects on Beta Spectra.	C.Longmire H.Brown	*Phys. Rev. 75*, 264-70 (1949) Jan. 15

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECD-2349	1-1743	A Preliminary Investigation of the Spectra of Uranium Isotopes.	J.R.McNally, Jr.	*J. Optical Soc. Am. 39* 271-7 (1949) Apr.
AECD-2350	1-1720	The Hyperfine Structure of Tritium.	E.B.Nelson J.E.Nafe	*Phys. Rev. 75*, 1194-8 (1949) Apr. 15
AECD-2351	1-1721	A New Measurement of the Packing Fractions of the Nickel Isotopes.	A.E.Shaw	*Phys. Rev. 75*, 1011-13 (1949) Apr. 1
AECD-2352	1-1635	A Study of the Interaction of Protons with Tritium.	R.F.Taschek H.T.Gittings	*Phys. Rev. 75*, 1361-5 (1949) May 1
AECD-2353	1-1646	Relative Sensitivities of Some Organic Compounds for Scintillation Counters.	R.F.Taschek	*Phys. Rev. 75*, 205-6 (1949) Jan. 1
AECD-2363	1-1637	Small Angle Scattering of Neutrons in Iron.	D.J.Hughes M.T.Burgy R.B.Heller J.W.Wallace	*Phys. Rev. 75*, 565-9 (1949) Feb. 15
AECD-2369	1-1856	Neutron-Proton Scattering at 90-Mev.	K.Brueckner W.Hartsough E.Hayward W.M.Powell	*Phys. Rev. 75*, 555-64 (1949) Feb. 15
AECD-2371	1-1857	Capture Cross Sections for Fast Neutrons.	D.J.Hughes E.B.Spatz N.Goldstein.	*Phys. Rev. 74*, 1781-7 (1949) June 15
AECD-2373	1-1892	Mass Spectrographic Assignment of Rubidium Isotopes.	F.L.Reynolds D.G.Karraker D.H.Templeton	*Phys. Rev. 75*, 313-14 (1949) Jan. 15
AECD-2379	1-1860	The Energy Spectrum of the Delayed Neutrons from O^{17}	E.Hayward	*Phys. Rev. 75*, 917-9 (1949) Mar. 15
AECD-2382	1-1752	Alpha Particles from Fission as Recorded by Photographic Emulsions.	L.Marshall	*Phys. Rev. 75*, 1339-44 (1949) May 1.
AECD-2393	2-147	Natural Abundance Measurements on Germanium.	R.F.Hibbs J.W.Redmond H.R.Guinn W.D.Harmon	*Phys. Rev. 75*, 533-4 (1949) Feb. 1
AECD-2402	2-89	Magnetic Deflector for Mesons Produced in the 184-Inch Cyclotron.	W.K.H.Panofsky E.A.Martinelli	*Rev. Sci. Instruments 20*, 286-8 (1949) Apr.

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECD-2403	2-282	The Beta-Ray Spectra of Cu^{64}.	C.S.Wu R.D.Albert	*Phys. Rev. 75, 1107-8* (1949) Apr. 1
AECD-2411	2-249	Separation of a Gas Mixture Flowing through a Long Tube at Low Pressure.	R.D.Present A.J.DeBethune	*Phys. Rev. 75,* 1050-7 (1949) Apr. 1
AECD-2435	2-420	The Ion-Exchange Separation of Zirconium and Hafnium.	K.Street, Jr. G.T.Seaborg	*J. Am. Chem. Soc. 70,* 4268-9 (1948) Dec.
AECD-2451	2-988	Electron-Neutrino Correlation in Heavy Elements.	M.E.Rose	*Phys. Rev. 75,* 1444 (1949) May 1
AECD-2462	2-1085	The Scattering of Slow Neutrons by Paramagnetic Crystals.	I.W.Ruderman W.W.Havens, Jr. T.I.Taylor L.J.Rainwater	*Phys. Rev. 75,* 895-6 (1949) Mar. 1
AECD-2465	2-1086	Effect of Neutron Bombardment on Order in the Alloy Cu_3Au.	S.Siegel	*Phys. Rev. 75,* 1823-4 (1949) June 15
AECD-2468	2-1129	Search for Short-lived Y, Zr, and Cb Fission Products.	L.J.Brown S.Katcoff	*J. Chem. Phys. 17,* 505 (1949) May
AECD-2469	2-1130	Characteristics of 16.5 Min Y^{94}.	L.J.Brown S.Katcoff	*J. Chem. Phys. 17,* 497-8 (1949) May
AECD-2472	2-1235	Instrumentation for Nuclear Studies with Externally Focused Deuteron Beam from Ten Mev Cyclotron.	B.R.Curtis J.L.Fowler L.Rosen	*Rev. Sci. Instruments 20,* 388-93 (1949) June
AECD-2478	2-1301	The Spectra of the Heavy Elements.	F.S.Tomkins M.Fred	*J. Optical Soc. Am. 39,* (1949) May
AECD-2484	2-1383	Neutron and Proton Binding Energies in the Region of Lead.	K.Way	*Phys. Rev. 75,* 1448-9 (1949) May 1
AECD-2507	2-1334	The Method of Activation Analysis.	G.E.Boyd	*Analyt. Chem. 21,* 335-47 (1949) Mar.
AECD-2533	2-1596	Inelastic Scattering of Lead for 14.5 Mev Neutrons.	H.T.Gittings G.G.Everhart H.H.Barschall	*Phys. Rev. 75,* 1610-11 (1949) May 15.
AECD-2547	2-1667	Decay of 8-day Iodine^{131} to a Metastable State of Xenon^{131}.	A.R.Brosi T.W.Dewitt H.Zeldes	*Phys. Rev. 75,* 1615-6 (1949) May 15

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECU-14	1-1838	Table of Isotopes.	G.T.Seaborg I.Perlman	*Revs. Mod. Phys. 20,* 585-667 (1948) Oct.
AECU-38	2-407	The Effect of Zirconium and Sodium Citrate on the Distribution and Excretion of Yttrium and Plutonium.	J.Schubert	*J. Lab. and Clin. Med. 34,* 313-25 (1949) Mar.
AECU-53	2-531	N^{17}, a Delayed Neutron Emitter.	L.W.Alvarez	*Phys. Rev. 75,* 1127-32 (1949) Apr. 15
AECU-54	2-373	Experimental Determinations of Stopping Powers Using Alpha Particles of 15 to 37 Mev.	E.L.Kelly	*Phys. Rev. 75,* 1006-7 (1949) Apr. 1
AECU-55	2-412	An Isotopes Effect in Photosynthesis.	J.W.Weigle M.Calvin	*J. Chem. Phys. 17,* 210 (1949) Feb.
AECU-58	2-978	On Feenberg's Perturbation Formula.	H.Feshback	*Phys. Rev. 74,* 1548-9 (1948) Nov. 15
AECU-59	2-959	Purposed Method for Measuring Scattering of Particle Tracks.	S.A.Goudsmitt W.T.Scott	*Phys. Rev. 74,* 1537-8 (1948) Nov. 15
AECU-60	2-960	Decay Times of Scintillation.	G.B.Collins	*Phys. Rev. 74,* 1543-4 (1948) Nov. 15
AECU-61	2-937	The Equations of Radioactive Transformation in a Neutron Flux.	W.Rubinson	*J. Chem. Phys. 17,* 542-7 (1949) June
AECU-62	2-961	The General Properties of the Parallel Plate Spark Counter I.	R.W.Pidd L.Madansky	*Phys. Rev. 75,* 1175-80 (1949) Apr. 15
AECU-66	2-990	Radioactive Decay of K^{40}.	L.B.Borst J.J.Floyd C.D.Coryell	*Phys. Rev. 74,* 989-90 (1948) Oct. 15
AECU-67	2-962	Temperature Dependence of Scintillations in Sodium iodide Crystals.	W.C.Elmore R.Hofstadter	*Phys. Rev. 75,* 203-4 (1949) Jan. 1
AECU-69	2-991	Long-Lived Metastable State of Te^{125}.	G.Friedlander M.Goldhaber G.S.Goldhaber	*Phys. Rev. 74,* 981-2 (1948) Oct. 15
AECU-70	2-942	Note on the Spins of Nuclei of Mass Number Ten.	M.Goldhaber	*Phys. Rev. 74,* 1194 (1948) Nov.1

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECU-71	2-963	Development of Thick Emulsions by a Two-Bath Method.	M.Blau J.A.DeFelice	*Phys. Rev. 74,* 1198-9 (1948) Nov.1
AECU-72	2-907	Preparation of Radioactive CO_2 from $BaCO_3$.	N. Zwiebel J. Turkevich W.W.Miller	*J. Am. Chem. Soc. 71,* 376-7 (1949) Jan.
AECU-73	2-1053	Nuclear Reactor at Brookhaven National Laboratory.	L.B.Borst M.Fox D.Gurinsky I.Kaplan C.Williams W.E.Winsche	*Phys. Rev. 74,* 1883-4 (1948) Dec. 15
AECU-76	2-950	A Resonance Effect in the Synchrotron.	E.D.Courant	*J. Applied Phys. 20,* 611-16 (1949) June
AECU-80	2-992	Hf^{175}, A New Radioactive Isotope of Hafnium.	G.Wilkinson H.G.Hicks	*Phys. Rev. 75,* 696-8 (1949) Feb. 15
AECU-81	2-1014	Radioactive Isotopes of Rare Earths I. Experimental Techniques and Thulium Isotopes.	G.Wilkinson H.G.Hicks	*Phys. Rev. 75,* 1370-8 (1949) May 1
AECU-83	2-1023	Metabolism of C^{14}-Tagged Urea.	E.Leifer L.J.Roth L.H.Hemplemann	*Science 108,* 748 (1948) Dec. 31
AECU-84	2-1024	The Gross Metabolism of Radioactive Pentobarbitol in Mice.	L.J.Roth J.R.Hogness E.Leifer W.Langham	*J. Biol. Chem. 178,* 963-5 (1949) Apr.
AECU-88	2-947	Some Excitation Functions of Bismuth.	E.L.Kelly E.Segre	*Phys. Rev. 75,* 999-1005 (1949) Apr. 1
AECU-89	2-948	Differential $D(d,n)He^3$ Cross Section over Entire Angular Range for 10-Mev Bombarding Energy.	K.W.Erickson J.L.Fowler E.J.Stovall,Jr.	*Phys. Rev. 75,* 894 (1949) Mar. 1
AECU-92	2-1002	Detail and Survey Radioautographs.	W.W.Wainwright	*Science 109,* 585-7 (1949) June 10
AECU-93	2-1055	The Genetic Effects of Low Intensity Irradiation.	D.E.Uphoff C.Stern	*Science 109,* 609-10 (1949) June 17

PUBLISHED DOCUMENTS INDEX

Document Number	Abstract Number	Title	Authors	Journal
AECU-94	2-1046	On the Analysis of Nucleon-Nucleon Scattering Experiments.	G.F.Chew M.L.Goldberger	*Phys. Rev. 75*, 1637-44 (1949) June 1
AECU-101	2-1225	The Scattering of High Energy Neutrons by Nuclei.	S.Fernbach R.Serber T.B.Taylor	*Phys. Rev. 75*, 1352-5 (1949) May 1
AECU-105	2-1263	Opalescence of Serum after Total Body Radiation as a Prognostic sign of Death.	R.L.Rosenthal	*Science 110*, 43-4 (1949) July 8
AECU-115	2-1265	Nitrogen N-12	L.W.Alvarez	*Phys. Rev. 75*, 1815-8 (1949) June 15
AECU-122	2-1449	Radioactive Isotopes of Rare Earths Elements. II. Neodymium Isotopes.	G.Wilkinson H.G.Hicks	*Phys. Rev. 75*, 1687-90 (1949) June 1
AECU-127	2-1388	The Total Cross Section of the He^3 Nucleus for Slow Neutrons.	L.D.P.King L.Goldstein	*Phys. Rev. 75*, 1366-9 (1949) May 1
AECU-136	2-1456	The Use of Isotopic Carbon in a Study of the Metabolism of Anthranilic Acid in Neurospora.	J.F.Nyc E.Leifer H.K.Mitchell W.H.Langham	*J. Biol. Chem. 179*, 783-7 (1949) June
AECU-142	2-1389	On the Analysis of Neutron-Proton Scattering with Tensor Forces.	R.S.Christian	*Phys. Rev. 75*, 1675-7 (1949) June 1
AECU-152	2-1547	Some Preliminary Cloud Chamber Photographs of Artificial Mesons.	W.Hartsough E.Hayward W.M.Powell	*Phys. Rev. 75*, 905-6 (1949) Mar. 1
AECU-169	2-1799	Charged Particles Emitted by Carbon Bombarded by 90-Mev Neutrons.	K.Brueckner W.M.Powell	*Phys. Rev. 75*, 1274-5 (1949) Apr. 15
AECU-196	2-1954	Some Possible Rare Isotopes	H.E.Duckworth	*Phys. Rev. 75*, 1438 (1949) May 1
AECU-202	2-2123	Search for Stable Pd^{100}, W^{178}, and Pb^{202}.	H.E.Duckworth R.F.Black R.F.Woodcock	*Phys. Rev. 75*, 1616-7 (1949) May 15
AECU-213	2-2136	Relativistic Treatment of Neutron-Proton Elastic Scattering in the Born Approximation.	F.Alzofon	*Phys. Rev. 75*, 1773-4 (1949) June 1